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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

50X1-HUM

COUNTRY China

REPORT

SUBJECT Catalogs of Exports from
Communist China

DATE DISTR. 12 July 1957

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DATE OF
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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

2. Exports offered by the China National Machinery Import Corporation, Peiping, included the following:

Geared head lathe, model C616
Multi-cutter semi-automatic late, models C 720 and C 730
Geared head lathe, model C620
Turret lathe, models C365L and C325
Horizontal milling machine, model X62
Universal milling machine, models X61W and X62W
Horizontal milling machine, model X602
Vertical drilling machine, model Z725
Portable radial drilling machine, model Z32K
Radial drilling machine, model Z33
Radial drilling machine, model Z35
Vertical drilling machine, models Z518 and Z535
Hydraulic surface grinding machine, model M7130
Cylindrical grinding machine, models M115 and M125
Tool grinder, model M6250K
Straightening and polishing machine, model Q-88
Shaper, model B665
Slotting machine, model 7417
Spur gear shaping machine, model J-546
Gear hobbing machine, model J375
Thread rolling machine, semi-automatic
Drill bit forging machine, model 421-90
Double housing planer, models B210 and B215
Ball mill, model 612-550X450
Disc disintegrator, model 622-175
Jaw crusher, models 111-750X450 and 112-100X40; roller crusher, models
422-200X75 and 422-200X125
Five horsepower diesel engine
Hand operated winch, models 221-3, 221-10, 221-5, and 221-1

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STATE	<input checked="" type="checkbox"/>	ARMY	<input checked="" type="checkbox"/>	NAVY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI	<input checked="" type="checkbox"/>	AEC	<input type="checkbox"/>	BFC	<input checked="" type="checkbox"/>	Treas	<input checked="" type="checkbox"/>
Date: Washington distribution indicated by "X"; Field distribution by "#"															

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- 2 -

Single drum hoisting machine, models 222-1500, 222-900, 222-1360, and 222-2000
 Water pump, centrifugal type
 Air compressor, 3-horsepower
 Air compressor, 15-horsepower
 Air compressor, model 1-6/7
 Air compressor, 100-horsepower
 Air compressor, model 1-40/8
 Half-ton steam hammer, model 232- $\frac{1}{2}$
 Steam or pneumatic hammer (1-ton), model 232-1
 Pneumatic-steam hammer (2-ton), model 232-2

3. Exports offered by the China National Transport Machinery Import Corporation included the following:

a. Textile and knitting machinery:

Three-bowl calender
 Twenty-roller raising machine
 Body-size underwear knitting machine
 Interlock knitting machine
 Double-head spring-needle knitting machine
 Automatic hosiery machine, model B-1
 Automatic hosiery machine, model B-2
 Automatic hosiery machine, model B-3
 Automatic hosiery machine, model K-1
 Automatic rib machine, models R-3, R-4, and R-5
 Automatic rib top machine, models R-1 and R-2
 Lockstitch looper
 Hydro extractor, model KM 106
 Bamboo-hexagon traverse winder
 Bottle-bobbin winding machine
 Cone-tube traverse winder
 Yarn mercerizing machine
 Automatic loom, type 1511
 Textile machinery (various types)
 Chinese bobbins, shuttles, reeds, wire healds, and weaving droppers

b. Machinery used in production of vegetable oils:

Peanut sheller
 Aspirator sifter
 Pre-heater
 Cake crusher (No. 14)
 Cake crusher (No. 20)
 Three-high crushing roller mill
 Five-high crushing roller mill
 Medium-size oil expeller
 Eight-ton oil expeller
 Filter press
 Oil purifier
 Triple-plunger pump
 Hand pump

c. Miscellaneous items:

Printing machinery
 Printing press equipment
 Rotary printing machines
 Machines for mixing raw rubber and retreading tires
 Automatic stucco mixer

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C-O-N-F-I-D-E-N-T-I-A-L

- 3 -

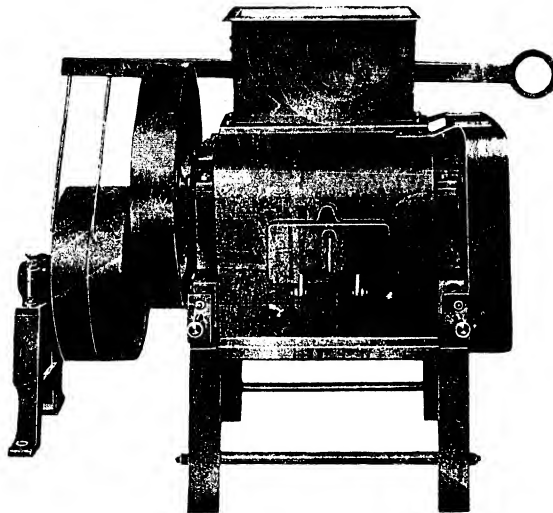
Vertical hogshead washer
Horizontal hogshead washer
Full-automatic tube filling, closing and sealing machine
Non-slip continuous wire drawing machine
Automatic nail making machine
Blue cut tack making machinery
Single-trigger and double-trigger spraying gun
Ammonia compressor, models 2 AV-76, 2 AV-100, 2 AV-76U, 2 AV-230, and
2 AV-165
Industrial sewing machine, "Flying Man" models 61300, 45 K 25, 124, 146-1,
18, and "Typical" models 81-6 and 96-41.
Hard candy machine, "Tank" brand
"New China" cigarette machine
Type BTB CO₂ fire extinguisher
Storage batteries, "Kin Hong" brand

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碎 餅 機
CAKE CRUSHER
(No. 14)



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

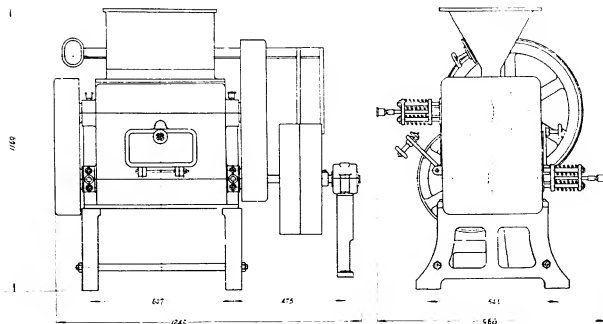
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14/9/57

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The purpose of this machine is to crush all kinds of oil cakes into small pieces to suit the use of consumers.

Treating Capacity	1,500 kgs. hr.
Number of teeth of coarse roller	360
Number of teeth of fine roller	812
Tooth profile	V-shaped.
Roller: Diameter	187 mm.
Length	483 mm.
Main shaft: Diameter	38 mm.
Speed	160 rpm.
Pulley: Diameter	457 mm.
Width	89 mm.
Power required	5 HP.
Overall dimension (L W H)	1,240 968 1,169 mm.
Weight	Net 750 kgs. Approx.

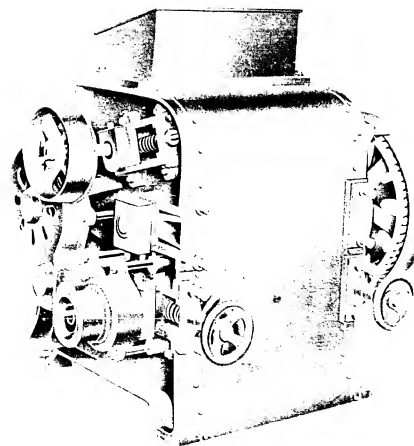
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碎 餅 機

CAKE CRUSHER

(No. 20)



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
 IMPORTERS & EXPORTERS

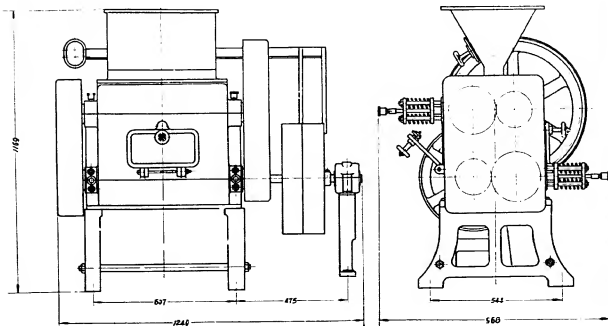
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The purpose of this machine is to crush all kinds of oil cakes into small pieces to suit the use of consumers.

Treating Capacity	...	1,500 kgs. hr.
Number of teeth of coarse roller	...	360
Number of teeth of fine roller	...	812
Tooth profile	...	V-shaped.
Roller: Diameter	...	187 mm.
Length	...	483 mm.
Main shaft: Diameter	...	38 mm.
Speed	...	160 rpm.
Pulley: Diameter	...	457 mm.
Width	...	89 mm.
Power required	...	5 HP.
Overall dimension (L x W x H)	...	1,240 x 968 x 1,169 mm.
Weight	...	Net 750 kgs. Approx.

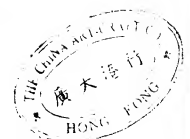
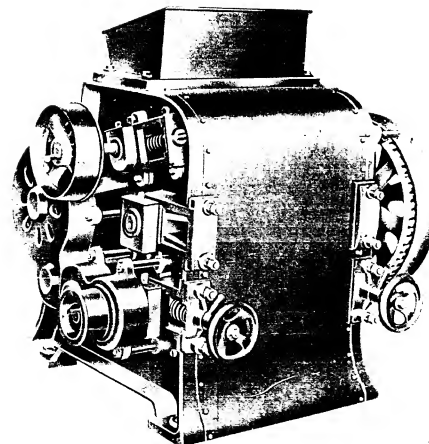
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碎 餅 機

CAKE CRUSHER

(No. 20)



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

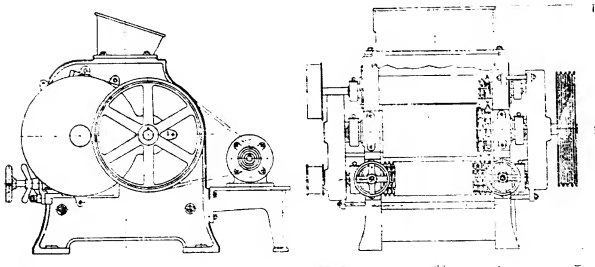
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This machine can crush soya bean cakes and other cakes of square bar in about 10 mm size. It is adapted for mass crushing of oil cakes.

Treating capacity (crushing tile shaped cakes)	915 kgs. hr.
Crushing disc: Diameter	234 mm.
Thickness	232 mm.
Number	21
Main shaft: Diameter	46 mm.
Speed	100 rpm.
V-belt pulley: Diameter	508 mm.
Width	72 mm.
Belt: Number	4
Length (A type)	76 in.
Power required	2½ HP.
Overall dimension (L W H)	1,210 - 1,260 - 1,070 mm.
Weight	Net 1,000 kgs. Approx.

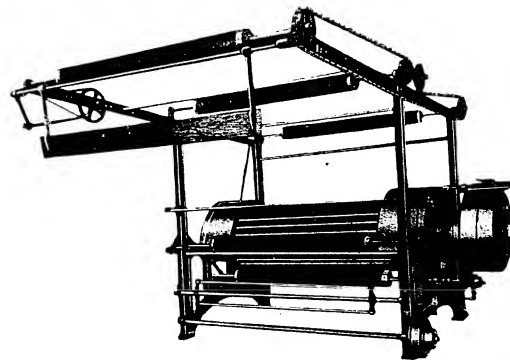


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拉毛機 20 ROLLER RAISING



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS
ER-LI-KOU, HSIAO-PING, CHINA

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拉毛機

20 ROLLER RAISING MACHINE

The machine is used for producing a fleecy nap on woolen or cotton hosiery fabrics. It is provided with felting rollers for bedding of the fleece of the fabrics.

The machine drive is effected through grooved pulley, a friction clutch being provided for starting and stopping the machine.

The cylinder of heavy construction is mounted on the main shaft which runs in bronze bearings. The twenty card rollers run in oiling bronze bearings and are driven through sun and planet motion by cow hide pinions and internal gear. Through roller chain and change gears the main shaft drives from its left side, the outside rim of the internal gear, thereby transmitting energy to the working rollers by altering the change gears, the raising energy can be changed.

The felting rollers are driven by the main shaft through flat belting, tapered cone pulleys with belt slipper by means of which the speed of the felting rollers can be regulated.

The feeding of the fabric is over tension rails and take off rollers. The delivery of the raised fabric is carried out by means of cloth carrying rollers, roller chain and shaft driven plating device which brings the finished fabric to the front of the machine.

The machine can raise simultaneously three widths of hosiery fabrics having a tubular width of 16" to 18". The production in 8-hour day is about 48 pieces of fabrics.

The machine is provided with card grinding machine and exhausting fan as standard equipments.

Width of Card Rollers	...	64"
Power Required	...	10 H.P.
Drive Pulley: grooved, pitch		
Diameter	...	38
Speed	...	100 rpm
V-beltings Used	...	6 pcs. B-168
Installation Floor Space	...	6'4" x 7'8"
Working Space Required	...	12'0" x 18'0"
Weight:		
Net	...	5,800 lbs. approx.
Gross	...	6,900 lbs. approx.
Shipping Space	...	195 cu. ft. approx.

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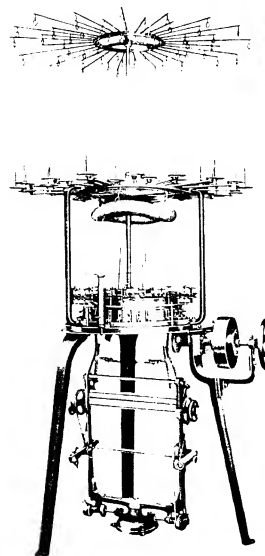
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BODY SIZE

KNITTING
MACHINE

汗布機



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汗布機

BODY SIZE UNDERWEAR KNITTING MACHINE
MODEL KM 117

This machine is a multiple-feed, circular, latch-needle knitting machine of non-sinker type, designed for production of plain fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce net fabrics.

The planned body size of the underwear comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — INCREASED PRODUCTION

- **Main Features:**
Tripod construction, positive clutch, brass cut cylinder, hardened needle cams, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.
- **Number of Feeds:**
The machine is available in different cylinder diameters with corresponding numbers of feeds as follows:—
13" — 24 feeds; 14" — 26 feeds; 15" — 28 feeds; 16" — 30 feeds;
17" — 32 " 18" — 34 " 19" — 36 " 20" — 38 "
- **Cut:**
The cylinder can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For common plain fabrics, 19—20 needles per inch is recommended.
- **Speed:**
For 18" diameter machine, the cylinder speed is 22 revolutions per minute.
- **Power required:**
3/4 HP in case of individual drive.
3 HP for six machines in case of group drive.
- **Output:**
The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc.
Average:
When using 32s/1 and 40s/1 cotton yarns, 320—480 oz. in 8 hrs.
When using 16s/1 and 20s/1 cotton yarns, 480—640 oz. in 8 hrs.
- **Width of Fabric:**
The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machines as follows:
For Underwear:

Diameter of Machine	...	...	...	...	16"	17"	18"	19"	20"
Underwear Size	...	...	...	...	32"	34"	36"	38"	40"

DATA FOR 18" DIAMETER MACHINE:

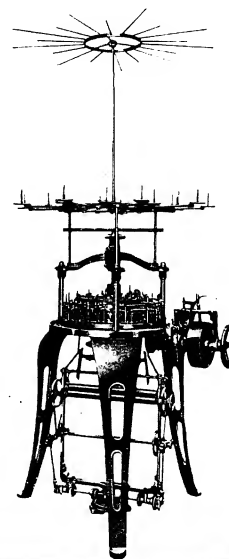
Installation Floor Space	...	...	...	...	3'8" × 4'4"
Working Space Required	...	...	...	...	5'6" × 6'6"
Weight	Net: 720 lbs. approx. Gross: 930 lbs. approx.
Shipping Space	25.29 cu. ft. approx.

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棉毛機



Interlock

KNITTING
MACHINE

中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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16/3/57
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棉毛機 INTERLOCK KNITTING MACHINE MODEL KM 118

This machine is a multiple-feed, circular latch-needle interlock stitch knitting machine of non-sinker type, designed for producing interlock fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce plush fabrics. The planned body size comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — ECONOMY IN SPACE

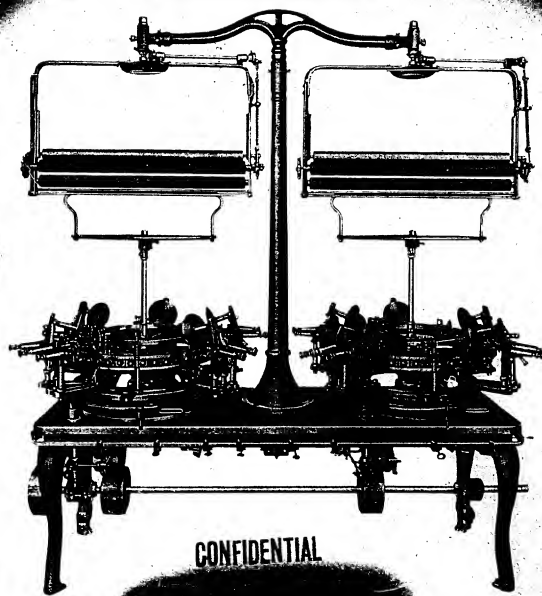
- **Main Features:**
Tripod construction, positive clutch, brass cut cylinder and dial, hardened needle cams for cylinder and dial, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.
- **Number of Feeds:**
The machine is built in different cylinder diameters with corresponding number of feeds as follows:—
14" — 14 feeds; 15" — 16 feeds; 16" — 16 feeds; 17" — 18 feeds;
18" — 18 " 19" — 20 " 20" — 20 " 21" — 22 "
- **Cut:**
The cylinder and dial can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For example, when using 20s/1 cotton yarn, we recommend 17 needles per inch for fine quality fabrics and 13—14 needles per inch for second quality.
- **Speed:**
For 18" dia. machine, the cylinder speed is 18 revolutions per minute.
- **Power required:**
3/4 HP in case of individual drive.
3 HP for 6 machines in case of group drive.
- **Output:**
The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc. Average 280—440 sq. in 8 hours.
- **Width of Fabric:**
The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:
For Underwear:
Diameter of Machine ... 17" 18" 19" 20" 21"
Underwear Size ... 32" 34" 36" 38" 40"
For Slitting Trousers:
Diameter of Machine ... 19" 20" 21" 22"
Size of trousers ... 32" 34" 36" 38"

DATA FOR 18" DIAMETER MACHINE:

Installation Floor Space	... 3'8" × 4'4"
Working Space Required	... 5'6" × 6'6"
Weight	Net: 712 lbs. approx. Gross: 1000 lbs. approx.
Shipping Space	... 23.41 cu. ft. approx.

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汗絨布二用織機



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KNITTING MACHINE

中國通裕絨織機出口公司

A 型 汗 絨 布 二 用 織 機

Double Head Spring Needle Knitting Machine

MODEL KM 116A

This machine is a multi-feed, circular spring needle knitting machine for plain fabric, cotton flannel (fleece lined fabric) and also woollen lay-in coating. Our long experience enables us to design the machine which is capable of producing goods of the highest quality.

The machine is equipped with automatic take-up and rolling-up of fabric. Take-up is suspended over the center of the cylinder and is constructed for variable production of fabric. Fabric stop motion is applied to each cylinder.

The machine can be arranged for individual or group drive. A positive clutch is provided on each cylinder to facilitate starting and stopping of the machine.

Model A machine is built with two cylinders of up to 22" diameter installed on the same table. Cylinders are available in diameters of 14", 15", 16", 17", 18", 19", 20", 21" and 22" respectively. According to the cylinder diameter and gauge of burs, 3 to 5 feeds are applied to each cylinder.

The gauge of the machine to be adopted depends upon the product. To change the gauge, all that is required aside from changing the needles, is a set of new knitting burs of the gauge desired. We recommend gauge of burs as follows:

Product	Gauge of Burs	No. of Feeds each Cylinder	Cotton Yarn Used
Plain Fabric	32, 34, 36, 40	4 or 5	32s x 1 to 100s/2 x 1
Cotton Flannel	20, 22, 24, 28	3 or 4	6s x 1 & 20s x 1 & 32s x 1 to 10s x 1 & 32s x 1 & 40s x 1

Each machine is supplied with either 6 feeds of burs for knitting cotton flannel or 10 feeds of burs for knitting plain fabric of one gauge to be specified against order. Burs for plain fabrics include one sinker bur, one cast-off bur, one lander bur and one clearing bur for each feed; burs for cotton flannel include two sinker burs, one cast-off bur, two lander burs, one clearing bur and one backing bur for each feed. Burs are complete with arms or brackets.

The machine is supplied with necessary needle presses and bur holders. Needles, needle moulds and additional burs are to be supplied upon request at extra cost. The gauge of these accessories should be stated with the order.

The output increases or decreases according to the skill of operator, gauge and diameter, counts of yarn, etc., and the average is:

For plain fabric ... 31 to 44 lbs. in 8 hours,
For cotton flannel ... 124 to 150 lbs. in 8 hours.

DATA OF MODEL A SPRING NEEDLE KNITTING MACHINE

Cylinder Diameter ... 14 to 22"
Working Space Required ... 4'0" x 8'0"
Cylinder Speed ... 60 to 80 rpm
Power Required ... 1.5 HP
Weight ... Net: 2,240 lbs. approx.
Gross: 2,950 lbs. approx.
Shipping Space ... 100 cu. ft. approx.

B 型 汗 絨 布 二 用 織 機

Double Head Spring Needle Knitting Machine

MODEL KM 116B

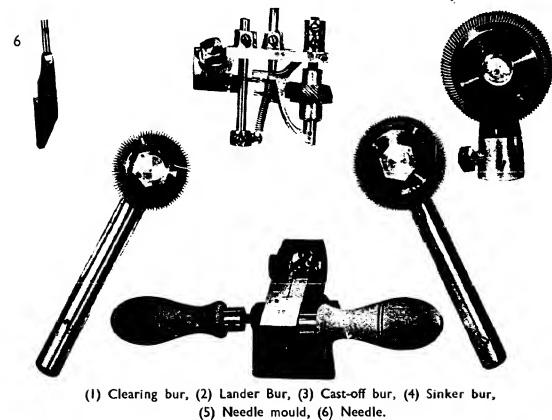
Model B is of identical construction as Model A, but has a larger table suitable for mounting two cylinders of 24", 25", 26", 27", 28", 29" or 30" diameters. This model is particularly recommended for knitting wider fabrics.

Owing to its larger size, each cylinder is equipped with either 6 feeds for knitting plain fabrics or 4 feeds for cotton flannels.

Model ... B
Cylinder Diameter ... 24" to 30"
Working Floor Space ... 5' 0" x 9' 0"
Power Required ... 2 H.P.
Cylinder Speed ... 60-65 rpm
Weight ... Net: 2700 lbs. approx.
Gross: 3150 lbs. approx.
Shipping Space ... 100 cu. ft. approx.

BURS FOR PLAIN FABRICS

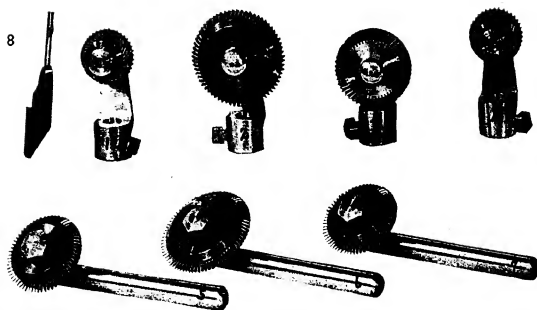
Gauge: 32, 34, 36, 40



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BURS FOR COTTON FLANNEL

Gauges: 20, 22, 24, 28



(1) and (4) Sinker bur (2) Clearing bur, (3) Backing bur, (5) and (7) Lander bur, (6) Cast-off bur, (8) Needle.

REPRESENTED IN BERLIN BY

CHINA NATIONAL IMPORT & EXPORT CORPORATION

LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

BRANCHES

TIENSIN OFFICE: 171 Chien Shieh Road (Ho Si District)
Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1
Cable Address: TRANSMACH Shanghai

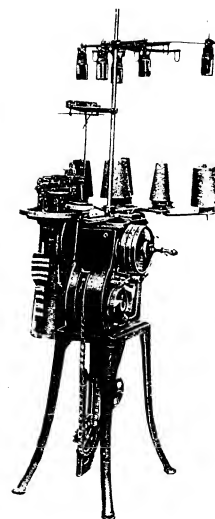
CANTON OFFICE: 25 Tai Ping Road South
Cable Address: TRANSMACH Canton

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自動織袜機



Automatic
**HOSIERY
MACHINE**

Model B-1

Socks



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

111 KOU LU CHAO PEING CHIN CABLE ADD: TRANSMACH BERLIN

自動織襪機

AUTOMATIC HOSIERY MACHINE MODEL B-1
FOR SOCKS

This machine is equipped with five yarn changing fingers which make the body of half socks (hose). The rib-tops are knitted upon rib-top machine and transferred by hand work to the cylinder needles to complete knitting of rib-top sock.

The machine is driven by line shafting. The cylinder runs at a high speed when making the circular courses of the leg and foot, it runs at a low speed with a reciprocating motion when making the heel and toe.

Main components of the machine consist of drive shaft, clutch shipper drum, rack wheel, chain sprocket wheel, main pattern drum, drum cams, thrust bars, yarn changing fingers, transfer ring, cylinder, sinker ring, brush, stitch adjustment device, lifting pickers, down pick (dropper), yarn sheer, switch cams, stitch cams and other necessary parts.

The machine handles mercerized cotton yarn of different counts. It is arranged with five yarn changing fingers.

Hose of various sizes can be produced by altering the number of links of the pattern chain. Alarm bell attachment enables the operator to stop the machine when any needle is broken.

Number of needles :

Available in different cylinder diameters with number of needles as follows:—

- 3" Cylinder diameter 120, 140, 148 needles.
- 3½" Cylinder diameter 160, 176, 188 needles.
- 3¾" Cylinder diameter 220, 240, 260, 280 needles.

Power Required : 1/4 H. P.

Cylinder Speed : 260 — 285 rpm.

Drive Pulley : 7" dia., 3/4" width.
Speed: 210 — 230 rpm.

Floor Space : Installation floor space 1'-6" x 2'-6"
Working space 2'-6" x 5'-0"

Production : Based on 8 working hours (Cotton sock)
3" diameter machine: 5-7 doz.
3½" diameter machine: 5-6 doz.
3¾" diameter machine: 4-5 doz.

Packing : In wooden case.

Weight : Net weight 330 lbs. approx. Gross weight 420 lbs. approx.

Shipping Space : Measurement 27" x 30" x 34"



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BRANCHES

TIENTSIN OFFICE: 171 Chien Shieh Road (Ho Si District)
Cable Address: TRANSMACH Tientsin

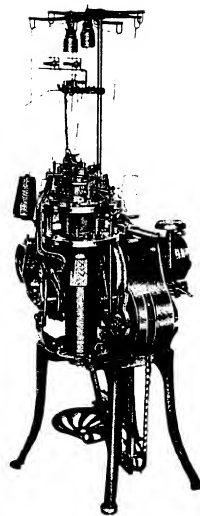
SHANGHAI OFFICE: 27 Chung Shan Road E1
Cable Address: TRANSMACH Shanghai

CANTON OFFICE: 25 Tai Ping Road South
Cable Address: TRANSMACH Canton

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自動織機

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for
Fancy Pattern
Socks

高筒提花織襪機

AUTOMATIC HOSIERY MACHINE MODEL B-2
FOR FANCY PATTERN SOCKS

Model B-2 features the revolving double cylinder which enables knitting of various fancy pattern socks. It can produce not only lace patterns but also spiral, diamond or chints pattern and change colour designs.

The fancy pattern is achieved by the 14 step cylinder jacks and double trick wheels. Various kinds of pattern are easily and quickly done by rearranging and setting of the drum cams. The machine is equipped with five yarn changing fingers which in conjunction with a colour pattern drum enable horizontal stripe designs of four different colours.

The machine is quite simple to operate like the ordinary Model B-1 and works automatically except the hand work of transferring the rib tops. The latch ring opens automatically subsequent to completion of socks.

The machine is driven by line shafting. When making the circular courses of the leg and foot, the cylinder runs at a high speed while the colour pattern drum also rotates. When making the heel and toe, the cylinder runs at a low speed with a reciprocating motion while the colour pattern drum does not rotate.

Number of Needles	... ..	available in cylinder diameter 3", 3½", 3¾"
		with 160, 176, 188 and 200 needles.
Power Required	... ..	½ HP
Cylinder Speed...	... ..	180-200 rpm
Drive Pulley	... ..	7" diameter ¾" width.
		Speed: 138-150 rpm
Floor Space	... ..	Installation floor space 1'-6"×2'-6"
		Working space required 2'-6"×5'-0"
Production	Based on 8 working hours about 60 pairs.
Weight	429 lbs. net
		550 lbs. gross
Packing Measurement	27"×30"×34"



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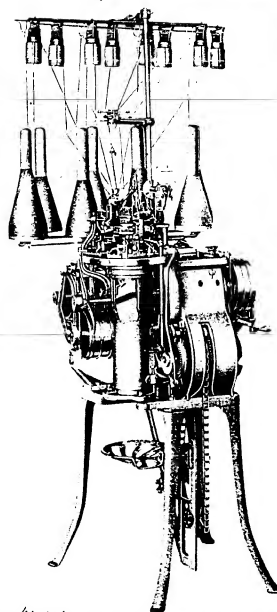
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自動織袜機



1/45/57

Automatic
**HOSIERY
MACHINE**

Model B-3

*for
Cotton Shaped Socks
with
Elastic Top*



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
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橡 口 織 襪 機

AUTOMATIC HOSIERY MACHINE MODEL B-3 FOR COLOUR STRIPED SOCKS WITH ELASTIC TOP

Model B-3 differs from Model B-1 in such a way that it is provided with attachments for making colour striped hose with elastic top.

The colour stripe pattern is accomplished by means of a colour pattern drum and yarn changing fingers, it enables the knitting of a large variety of horizontal striped pattern. The colour pattern drum is mounted above the main pattern drum, latter being common to all Model B machines. For cutting the pattern yarns, an automatic cutter is fitted to the colour pattern drum.

The machine is arranged with six yarn changing fingers for patterns in horizontal stripes of five different colours.

An elastic lay-in attachment is provided for insertion of rubber yarns in elastic tops. These elastic tops insure comfort in wear and will fit snugly to the leg.

Model B-3 embodies our latest improvements and designs and is worthy of recommendation. Besides, it produces colour striped hose which is well in demand in various countries of the world.

Number of Needles :

Available in cylinder diameters and number of needles as follows:—
3½" with 160, 176 and 188 needles.
3½" with 160, 176 188 and 200 needles.

Power Required : 1/4 H.P.

Cylinder Speed : 200-220 rpm.

Drive Pulley : 7" dia. 3/4" width. Speed: 138-150 rpm.

Floor Space : Installation floor space 1'-6"×2'-6"
Working space 2'-6"×5'-0"

Production : Based on 8 working hours about 70 pairs of cotton socks.

Packing : In wooden case.

Shipping Specification :

Net weight 385 lbs. Gross weight 500 lbs. Measurement: 27"×30"×34".



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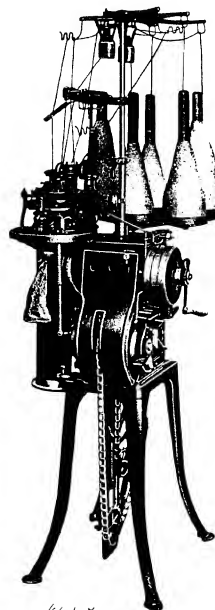
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50X1-HUM

自動織袜機



Automatic
**HOSIERY
MACHINE**
Model K-1

Shanghai



中國運輸機械進出口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT & EXPORT CO., LTD.
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自動織襪機

AUTOMATIC HOSIERY MACHINE MODEL K-1
FOR STOCKINGS

This model produces ladies' hose with an intumed welt done in transferring stitches by means of transfer jacks in the groove of the transfer dial located above the cylinder. The welt being knitted on the machine has all the elasticity of the fabric. It is also used for men's and children's stockings.

With the exception of the fresh yarn which is fed by hand when the yarn on the bobbin is used up, this machine is entirely automatic and thus enables the operator to attend more machines. The machine is arranged with five yarn changing fingers.

Main components of the machine consist of drive shaft, clutch shipper drum, rack wheel, chain sprocket wheel, main pattern drum, drum cams, thrust bars, yarn changing fingers, transfer dial, cylinder, sinker ring, clutch device, brush, stitch adjustment device, lifting pickers, down pick (dropper), auxiliary cams, stitch cams, switch cams, cross bar assembly and other necessary parts. The machine is furnished with an automatic cutter for sole yarns which increases production and saves labour.

The main drive is effected through line shafting. The cylinder runs at high speed when making circular courses of the leg and foot, it runs at low speed with a reciprocating motion when making the heel and toe.

By selecting the proper gauge, the machine can handle mercerized cotton yarn and other yarns like rayon, nylon, silk and wool.

Stockings of various sizes can be produced by altering the number of links of the pattern chain. Alarm bell attachment enables the operator to stop the machine when any needle is broken.

Number of Needles:

Available in different cylinder diameters and number of needles as follows:—

- 3" dia. 120, 140, 148 needles.
- 3½" dia. 160, 176, 188 needles.
- 3¾" dia. 220, 240, 260, 280 needles.

Power Required: 1/4 H.P.

Cylinder Speed: 240 — 260 rpm.

Drive Pulley: 7" dia. 3/4" width.
Speed 210 — 230 rpm.

Floor Space: Installation floor space 1'6" x 2'6"
Working space 2'6" x 5'0"

Production: Based on per day of 8 hours: (Cotton hose)
3" dia. machine — 4 to 6 doz. pairs.
3½" dia. machine — 3 to 4 doz. pairs.
3¾" dia. machine — 1½ to 3 doz. pairs.

Packing: In wooden cases.

Shipping Space: Measurement: 27" x 30" x 34"

Weight: Net weight: 350 lbs. approx. Gross weight: 440 lbs. approx.

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羅紋機



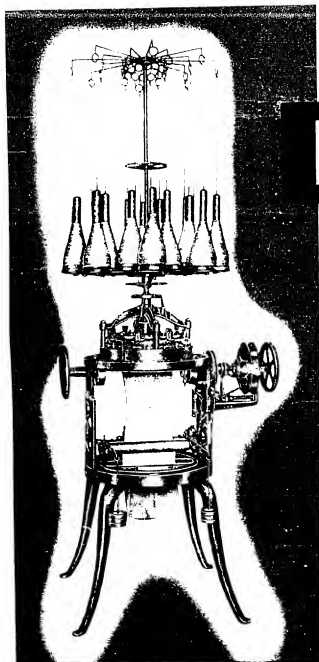
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1955



紋機

RIB MACHINE

Model : R-3

This rib machine is designed for producing rib bottom of underwear, or ribbed underwear for children.

The machine is built in diameters of 13" to 15" with 6-8 feeds and knits with two threads per feed. It produces 1 x 1 rib stitch having good elasticity of fabric.

The cylinder is made of best steel. The number of needles of the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cap, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Widths of fabric are dependent on the kind of yarn used, but an average 1 inch width of tube is obtained from 1 inch of diameter.

Among the advantages of the machine are reliability, high production, easy operation and durability.

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows:
13" 6 feeds 700 - 860 needles
14" 8 feeds 760 - 920 needles
15" 8 feeds 800 - 1200 needles
1/2 HP.

Power Required: 25 to 40 rpm.
Cam Ring Speed: Speed 250 - 300 rpm.
Drive Pulley: Installation Floor Space 3'6" x 3'6"
Floor Space: Working Space 6'0" x 7'0"

Production: Based on 8 hours, about 600 to 1000 oz. of rib fabrics using 42s/2 mercerized yarn.

Weight: Net 260 kg. approx.
Gross 350 kg. approx.

Measurement:

This machine is used for knitting rib-cuffs of sleeves of underwears. It provides a French welt, the loose course and draw thread.

The machine is equipped with double feed and knits with two threads per feed producing 1 x 1 rib stitch. It makes perfect rib-cuffs, the section being separated by drawing the string.

It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the French welt and thus permits a fine quality product.

The cylinder is made of best materials. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, tuck course side cam ring, ribber dial, yarn stop motion and fabric take-up assembly.

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows:
3 1/2" dia. 180 to 320 needles.
3 3/4" dia. 180 to 360 needles.
4" dia. 220 to 400 needles.

Power Required: 1/2 HP for each machine.
Drive Pulley: 4 1/2" dia. x 1-1/8" width.
300 to 400 rpm (high speed pulley)
210 to 240 rpm (low speed pulley)

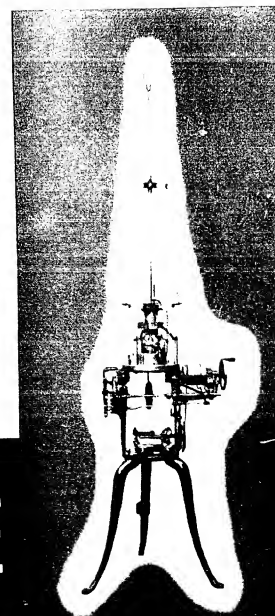
Floor Space: Installation Floor Space 2'1" x 2'1"
Working Space Required: 3'0" x 5'0"
Based on 8 hours about 55 to 90 oz. when using 42s 1 mercerized yarn.

Weight: Net 95 kg. approx.

Gross 115 kg. approx.

Measurement: 30" x 29" x 54".

Automatic RIB CUFF MACHINE Model : R-4



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電動領口羅紋機

This machine is used for knitting rib neck-band of underwears or sweaters.

According to its diameter, the machine is equipped with three to four feeds and knits with two threads per feed. It produces 1x1 rib stitch having good elasticity of fabric.

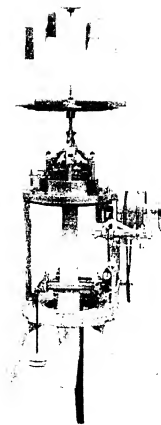
The cylinder is made of best steel. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cup, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Number of Needles:

Available in different cylinder diameters with corresponding number of needles as follows:

6"	3 feeds	320 to 540 needles
6½"	3 feeds	320 to 540 needles
7"	4 feeds	320 to 540 needles



Automatic RIB NECK-BAND MACHINE Model R-5

Power Required: ½ HP for each machine.
 Cam Ring Speed: About 80 rpm.
 Drive Pulley: 4½" dia. x 1-1/8" width.
 Speed: 300 rpm.
 Floor Pulley: Installation Floor Space: 2'2" x 2'2"
 Working Space Required: 4'0" x 5'0"
 Production: Based on 8 hours about 270 oz. of rib neck-band using 42s/2 mercerized yarn.
 Net 110 kg. approx.
 Weight: Gross 150 kg. approx.
 Measurement:

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Automatic RIB TOP MACHINES

袜腰羅紋機



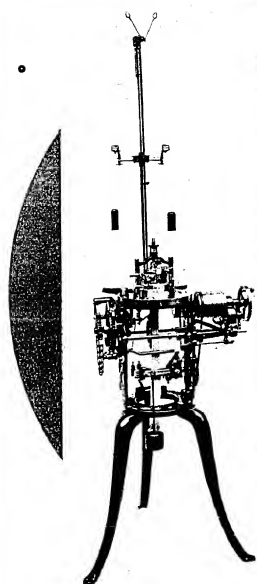
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Automatic RIB TOP MACHINE

Model: R-1

For Plain Colour Rib Top

The machine is used for knitting rib-tops of half socks; it provides a selvage welt, the loose course and draw thread.

The machine is equipped with single feed for knitting with two threads. It knits 2×2 rib stitch having good elasticity of fabric. The sections of the rib tops are separated by drawing the string.

It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the selvage welt and thus permits a fine quality product.

The cylinder is made of best material. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, stitch side cam ring, ribber dial cup assembly, pattern wheel, bed and base, needle cylinder and dial, yarn carrier, yarn stop motion and fabric take-up assembly.

雙針光邊電動襪腰羅紋機(素色)

五色調線電動襪腰羅紋機

Automatic RIB TOP MACHINE

Model: R-2

For Colour Striped Rib Top

Model R-2 is used for knitting automatically and continuously striped rib-tops in five different colours. It is built by fitting Model R-1 with a 5 colour yarn changer.

The machine is equipped with yarn stop motion and fabric take-up assembly which permits a finely finished product. The colour pattern drum being equipped with an interchangeable pin permits one to make various kinds of horizontal stripes.

Models: R-1 and R-2.

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows.
 $3\frac{1}{2}$ " dia. 160 to 200 needles,
 $3\frac{3}{4}$ " dia. 176 to 220 needles,
 4 " dia. 188 to 240 needles.

Power Required: $\frac{1}{2}$ HP.

Cam Ring Speed: 138 to 158 rpm.

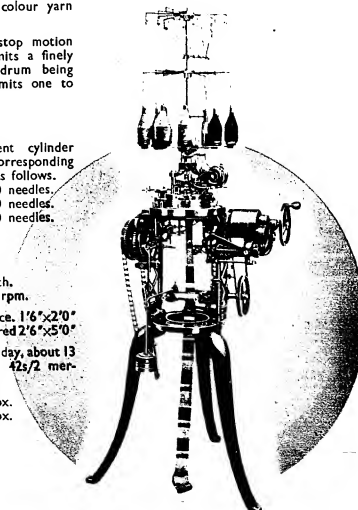
Drive Pulley: $4\frac{1}{2}$ dia. $\times 1\frac{1}{8}$ " width.
 Speed: 386 to 446 rpm.

Floor Space: Installation Floor Space, $1\frac{1}{2}' \times 2'0"$
 Working Space Required $2'6" \times 5'0"$

Production: Based on 8 hours per day, about 13
 doz. of rib-tops of $4\frac{1}{2}/2$ mercerized cotton.

Weight: Net 79 kg. approx.
 Gross 142 kg. approx.

Measurement: $30" \times 29" \times 54"$.



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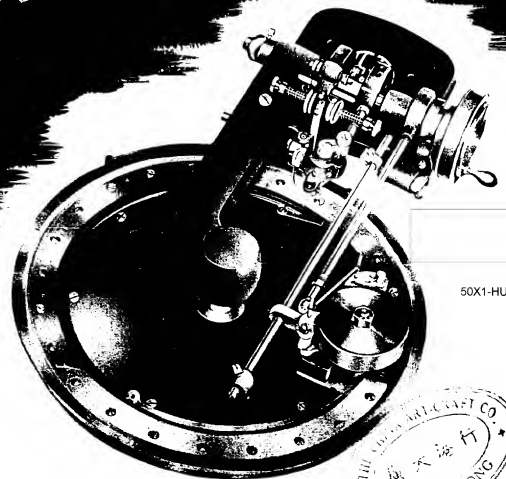
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縫機頭機

Lockstitch Looper



50X1-HUM



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縫襪頭機 LOCKSTITCH LOOPER

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This machine is used for looping toe-tops of hosiery. It can also be used for looping rib-cuffs to sleeves of underwears.

Main components of the looper consist of main shaft, belt pulley, clutch, needle and hook bracket, needle lever, hook lever, plate for point ring, point ring, rack wheel, yarn take up and other necessary parts.

The machine can be adapted to loop fine or coarse fabrics by changing the points, rack wheel, eccentric plug, and the needle and hook.

The following table gives the points per inch of the looper to correspond to the number of needles of the hosiery machine and the material handled.

Points per inch	Number of Needle of hosiery machine	Material Handled
12	88 — 104	Woolen hosiery
14	120 — 140	Woolen hosiery
16	140 — 160	Woolen and cotton thread hosiery
18	160 — 176	Cotton yarn or thread hosiery
20	176 — 188	Cotton yarn or thread hosiery
22	188 — 220	Cotton yarn or thread hosiery
24	220 — 240	Fine cotton yarn hosiery
26	240 — 260	Fine cotton yarn hosiery
28	260 — 280	Fine cotton yarn hosiery
30	300 — 320	Silk hosiery
32	320 — 352	Silk hosiery

The looper can be fitted with an automatic cutter for looper yarn which saves labour. It can also be equipped with an automatic cutter for looper waste which increases production of about 50%. Besides saving of labour, better quality products can be obtained.

The machine can be arranged for treadle drive on a sewing machine table if electric power is not available.

Outstanding advantages of the looper are :

OCCUPYING LITTLE SPACE, LOW POWER CONSUMPTION, SIMPLIFIED OPERATION, HIGH PRODUCTIVITY, SUPERIOR QUALITY PRODUCTS.

Drive pulley size : ... 4" dia. 3 4" width

Drive pulley speed : ... 250 — 350 rpm

Power required : ... 1 12 HP

Floor space : ... Installation floor space 2' x 3'
Working space required 3' x 6'

Production : ... For toe-looping, one worker can loop 32 doz. pairs heavy hosiery or 26 doz. pairs light hosiery; for sleeve looping 12 doz. underwears. Production being based on 8 working hours.

Weight : ... 26 kgs. nett, approx. 42 kgs. gross approx.

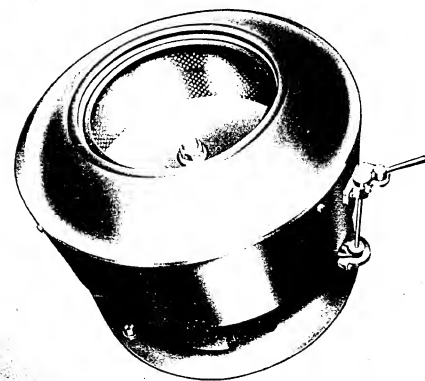
Packing measurement : ... 76 x 48 x 30 cm. (0.11 cu. m.) approx.

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離心力脱水機



PRO EXTRACTOR

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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離心力脫水機

HYDRO EXTRACTOR

MODEL KM 106

(甩水機)

The hydro-extractor is used for removing free or excessive moisture of hosiery or other knitting goods. The moisture that can be extracted is about 40 to 50%.

The base, leg and housing are of gray cast iron. The central boss is a part of the casting and bored true. The spindle shaft, made of the best grade steel, runs in a combination ball and roller bearings, thus reducing friction to a minimum. The lower end of the shaft runs on a steel step bearing while its upper end carries the basket which is made of copper sheet perforated with holes through which the water flows out. A drain pipe is provided in the base.

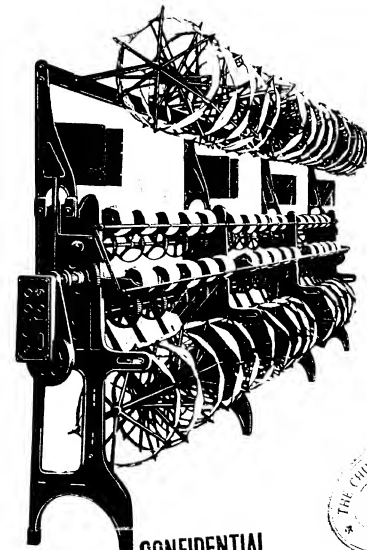
The machine is arranged for individual drive by an electric motor and V-belt, with adjustable belt tension device. A band brake is provided for stopping the rotation of the basket.

The basket holds about 100 lbs. of dry material and it takes about 3 to 10 minutes for each batch of centrifuging which depends upon the moisture content of the material being handled.

Diameter of Basket	...	36"
Depth of Basket	...	14"
Basket Content	...	100 lbs. of dry material
Power Required	...	7½ H.P.
Grooved Pulley of Shaft:—		
Pitch diameter	...	10"
Speed	...	780 rpm
V-belts	...	4 pcs. B-95
Installation Floor Space	...	4' x 5'
Working Space Required	...	9' x 9'
Weight:—	Net	2,650 lbs. approx.
	Gross	3,100 lbs. approx.
Shipping Space	...	70 cu. ft. approx.

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*Bamboo Hexagon Traverse Winder***轉線機****CONFIDENTIAL**

中國運輸機械進口公司

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轆 線 機

BAMBOO HEXAGON TRAVERSE WINDER

This winder is used for winding cotton yarns in hanks on to bamboo hexagons for the purpose of rewinding into cone-tubes by a cone-tube traverse winder. It is a preparatory machine for handling yarns in knitting mills and hosiery mills.

The winder is driven by belt pulley which transmits power to both the upper shaft and the lower shaft. The shafts drive the drums on the spindle shaft by means of friction pulleys. It is equipped with traverse motion for the yarns.

The winder is built in 64 and 80 spindles respectively, which are arranged on both sides.

Number of Spindles	64	80
Spindle Speed	650 rpm	650 rpm
Power Required	2 HP	2 HP
Installation Floor Space	18" x 4"	22" x 4"
Working Space Required	23" x 9"	27" x 9"
Drive Pulley, dia. x width	10 $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	10 $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "
Drive Pulley, speed	350 rpm	350 rpm

Production Based on 8 hours, every 10 spindles about 7 packages of 3.75 kgs. 42s/2 cotton thread.

Net Weight	1210 lbs.	1670 lbs. approx.
Gross Weight	1800 lbs.	2210 lbs. approx.
Shipping Space	52 cu. ft.	65 cu. ft. approx.

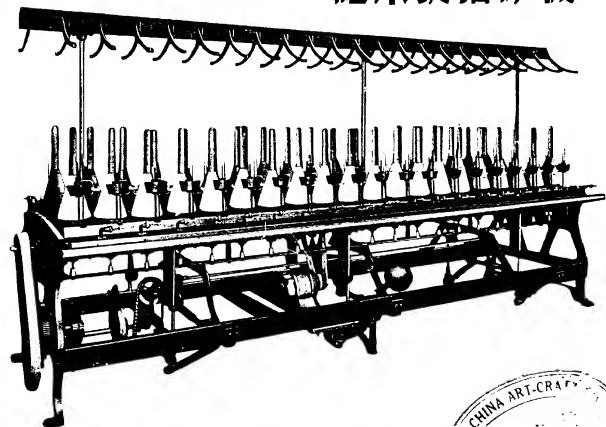
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BOTTLE BOBBIN WINDING MACHINE

50X1-HUM

紅木錠搖紗機



中國運輸機械進口公司

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紅木錠搖紗機 BOTTLE BOBBIN WINDING MACHINE

This machine is used for winding yarns in skeins or for rewinding yarns from bamboo hexagons onto bottle bobbins.

Two single rows of 20 upright spindles are arranged on each side of the frame. These spindles are driven by grooved cord pulleys mounted on a main shaft which is placed along the centre of the machine.

The traverse of the yarn is effected by cam motion which raises or lowers the traverse rail, thereby conveying the yarn to the bobbins. Other equipments include thread guide in the form of brass bowls, yarn cleaning arrangement and ryes. The bobbins may be changed without stopping the machine.

Among the main advantages of this machine are high productivity and minimum power requirement.

Production 8 hours per day is approximately as follows:-
10 to 12 packages (3.75 kg.) for 32s 1 cotton
up to 40 to 50 packages for 6s 1 cotton.

Number of spindles	...	...	...	40
Spindle speed	...	...	...	800 to 1,000 rpm.
Power required	...	...	...	1½ HP.
Drive pulley:-	...	...	...	Grooved for 1 pce. B-70 V-belt
Diameter	...	...	...	12-3 8"
Speed	...	...	...	280 to 300 rpm.

Floor space:-	
Installation	... 4'0" x 14'0"
Working	... 8'0" x 16'0"

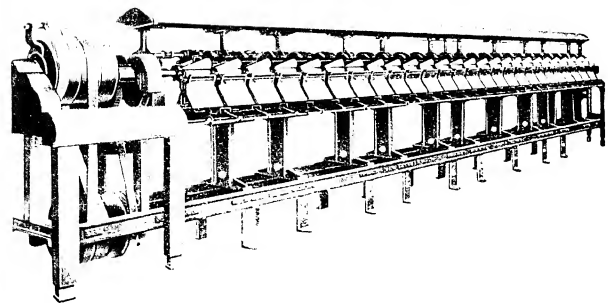
Weight:-	
Nett	... 850 kg. approx.
Gross	... approx.
Shipping volume	... cu. m. approx.

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CONE-TUBE TRAVERSE WINDER



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CONFIDENTIAL CONE-TUBE TRAVERSE WINDER

The winder is designed for rewinding yarns from bamboo hexagons onto cone-tubes for knitting purposes in hosiery or knitting mills. It is built for 40 or 60 spindles, the spindles being arranged on both sides of the frame.

Differential Motion:

The cones are rotated by frictional contact with the steel winding rolls mounted on the roll shafts (one on each side of the frame). These roll shafts are arranged with differential driving motion which gives practically a uniform speed of the yarn when winding, thus avoiding shocks and reducing the brakeage of the yarn.

Traverse Motion:

The traverse of the yarn is effected through cams. The cam-shaft which is placed along the centre of the machine drives by means of worm gearing the two traverse cams (one on each side of the frame). As the cams revolve, they impart a reciprocating motion to the traverse-bars conveying the threads from the bamboo hexagons through thread guide.

Tension and Slub - Catcher:

The winder is provided with tension device and slub-catcher which assure the production of perfectly wound cones.

Stop Motion:

Each spindle of the winder is provided with rocker stop motion for package size. All cone yokes are supplied with latch and catch arrangement for raising the work from the roll when end breaks.

Production:

For the spindles, the production based on 8-hour day is approximately as follows:

42s 2 cotton thread:	5-6 packages of 3.75 kg.
32s 2 cotton thread:	6-8 packages of 3.75 kg.
Number of spindles:	40 60
Spindle speed:	rpm 1700 1700
Power Required:	HP 3 5
Installation Floor Space:	ft. 20x4 27x4
Working Space:	ft. 24x8 31x8
Weight:	kg. 2000 2900
Shipping Space:	cu. ft.

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紗 線 絲 光 機

YARN MERCERIZING MACHINE

This machine is used for mercerizing cotton yarn by caustic lye. Besides increasing the tensile strength of the fibre, the process imparts to the yarn a beautiful lustre and makes it easy to dye. It also saves dyestuff.

The machine is fitted with two pairs of skein carrying rollers, the two rollers near the driving end of the machine are power driven by means of bevel gears while the other two rollers are not power driven but can be moved by means of a handwheel and screw so that they approach and recede from the two power driven rollers. Under each pair of rollers is a shallow trough for caustic lye, it being possible to raise or lower this trough. For each pair of rollers, a shallow tray for wash water capable of sliding between the rollers and the trough is also provided.

A rubber covered squeezing roller also extends along the length of one of each pair of skein carrying rollers, so that the skeins are subject to pressure and their impregnation with caustic lye is thereby assisted.

The machine can be provided with a reversing clutch which causes the power driven rollers to rotate in one direction and then in the opposite direction at regular intervals. This will improve the impregnation of the yarn with caustic lye.

The machine is driven by grooved pulley and is equipped with a motion on which disengages the power driven rollers after the yarn has rotated in the caustic lye a certain number of times as indicated by a clock dial.

Each pair of rollers can carry 6 to 7 skeins of yarns. About 50 packages of yarns of 3.75 kgs. can be mercerized in 8 hour-day. Each batch of mercerization takes about five minutes.

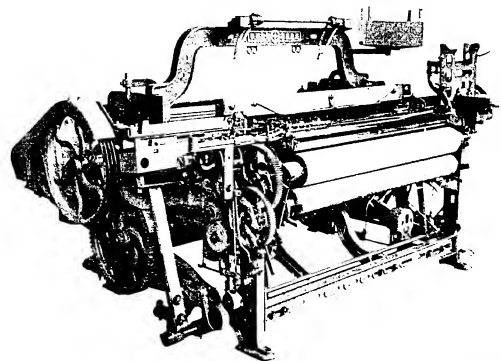
Length of Rollers	...	20"
Power Required	...	3 HP
Roller Speed	...	4 to 6 rpm
Grooved Pulley:		
Pitch diameter	...	28"
Speed	...	120
V-belts	...	2 pcs. B-90
Installation Floor Space	...	6'x6'
Working Space Required	...	8'x9'
Weight:		
Net	...	2,800 lbs. approx.
Gross	...	3,450 lbs. approx.
Shipping Space	...	85 cu. ft. approx.

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50X1-HUM

1511 型 織 機

AUTOMATIC LOOM
TYPE 1511

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14/2/57

CONFIDENTIALSPECIFICATION:

1. Type ... Under pick, non-stop shuttle changing
2. Hand... Left or right hand
3. Reed space ... 1117 mm. (44")
4. Cloth width ... 965 mm. (38")
5. Speed ... 195 picks min.
6. Let-off motion... positive
7. Yarn beam ... Flange Dia. 495.3 mm (19½")
Maximum distance between flanges: 1117 mm
8. Warp stop motion... Mechanical system, 4 lines of dropper bars
9. Shedding motion ... Dobby up to 16 shafts, tappet up to 5 leaves
10. Slay motion ... Radius of crank shaft- 70 mm
11. Picking motion... With weft breakage stop motion, loose reed attachment and shuttle-flying guard
12. Shuttle changing ... Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.

Attachment :
Miss pick preventer if required
13. Temples and take-up motions ... Temple of wood rollers, and with cloth feeler: with intermittent taking-up motion, cloth roller for 2 pieces of cloths

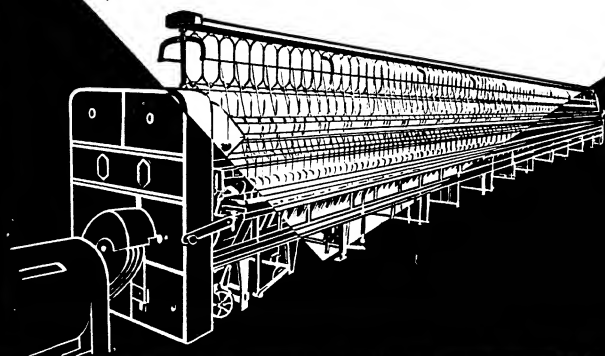
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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50X1-HUM

TEXTILE MACHINERY

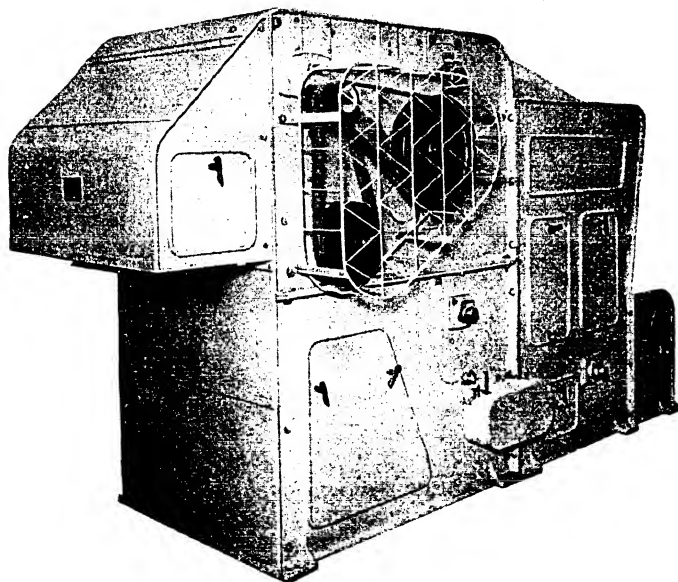
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ER-LI-KOU, HSI-CHAO, PEKING, CHINA
CABLE ADD: TRANSWANG, PEKING



1011 型 混 棉 給 棉 機

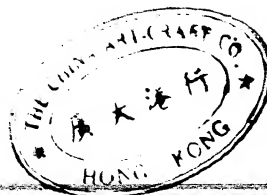
BLENDING HOPPER FEEDER
TYPE 1011



Front side View

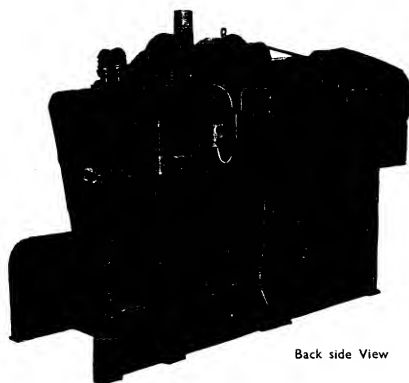
SPECIFICATION:

1. Max. output 320 kg/hour
2. Working width 920 mm
3. Overall dimension L. 3190 × W. 1440 × H. 2048 mm
4. Diameter of Stripping Roller ... 385 mm
5. Number of Leather flaps of stripping roller 4
6. Speed of Stripping Roller 425 rpm
7. Centre distance of upright spiked lattice 1364 mm



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8. Angle of inclination of upright spiked lattice 21° 41'
9. Speed of upright spiked lattice ... (a) 11.7 meters/min.
(b) 29.5 meters/min.
10. Diameter of Evener Roller 260 mm
11. Number of rows of teeth of Evener Roller 6
12. Speed of Evener Roller 310 rpm
13. Distance between upright spiked lattice and stripping roller 0-16 mm
14. Distance between upright spiked Lattice and Evener Roller 0-37 mm
15. Dimension of Dust Fan $\phi 208$ mm \times width 40 mm
16. Speed of Dust Fan 2000 rpm

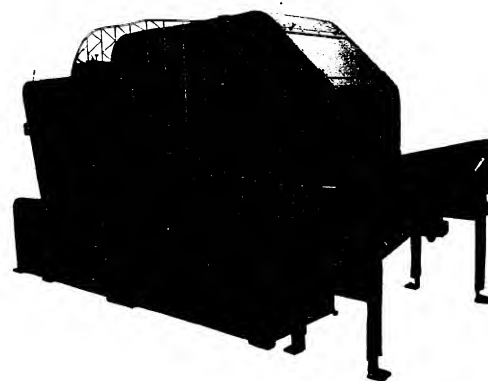


Back side View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1012A 型回花給棉機

WASTE HOPPER FEEDER TYPE 1012A



Front View

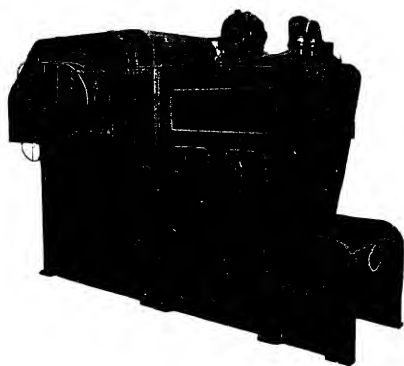
SPECIFICATION:

1. Maximum output 80 kg hour
2. Working width 610 mm
3. Overall dimension L. 3190 \times W. 1130 \times H. 1887 mm
4. Diameter of stripping roller 385 mm
5. Number of leather flaps of stripping roller 4
6. Speed of stripping roller 210 rpm
7. Centre distance of upright spiked lattice 1364 mm

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8. Angle of inclination of upright spiked lattice $21^{\circ} 41'$
9. Speed of upright spiked lattice... 7.9 metres/min. 14.7 metres/min.
10. Length of Evener Rake... .. 300 mm
11. Oscillation of Evener Rake 110 times per min.
12. Distance between upright spiked lattice and stripping roller 0—22 mm
13. Distance between upright spiked lattice and evener rake... .. 0—30 mm

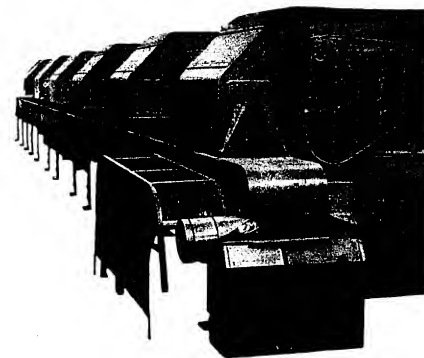


Back View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1021 型 高 速 给 棉 簾 子 HIGH SPEED FEED LATTICE TYPE 1021



SPECIFICATION:

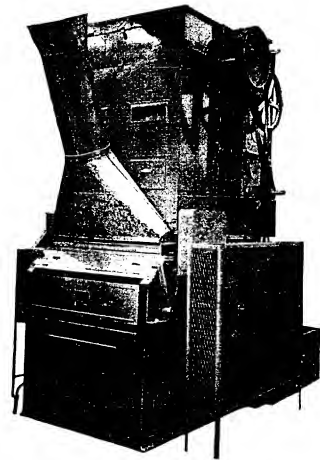
1. Working width 420 mm
2. Overall dimension Length 4432 + 1200 M + 1800 H. mm
Width 1037 mm
Height 933 to 1013 mm
3. Length of feed lattice 1200 M + 1800 H + 3290 mm
4. Speed of feed lattice 67 meters/min.

NOTE: M=number of frames of 1200 mm in length
H=number of frames of 1800 mm in length

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1031 型豪猪式開棉機
PORCUPINE OPENER
TYPE 1031



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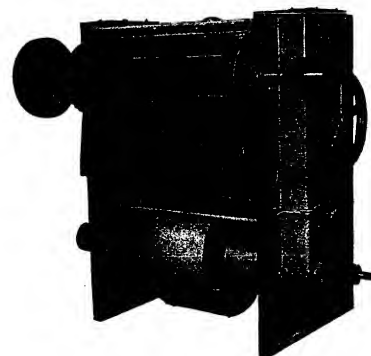
SPECIFICATION:

1. Maximum output ... 800 kg/hour
2. Working width ... 1000 mm
3. Overall dimension ... L. 2200 (including motor) × W. 2000 ×
H. 2965 mm
4. Diameter of beater ... 610 mm
(18 discs, 12 knives each disc)
5. Speed of beater ... 600, 650, 700 rpm
6. Diameter of feed roller ... 76 mm
7. Speed of feed roller ... 20, 25, 30, 35, 40 rpm
8. Number of grid bars ... 79 pcs.
9. Number of adjustable sections of
grid bars ... right and left hands total 16 pcs.
10. Gauge between grid bar and beater
top 10-14 mm
back 11.5-15.5 mm
bottom 13-17 mm
delivery 14.5-18.5 mm
11. Gauge between grid bars ... 4-7 mm
12. Overall dimension of reserve filling
trunk ... L. 1015 × W. 1010 × H. 535-670 mm
(adjustable)

N.B.—For improvement of the machine, we reserve the
right to alter either the design or the specification.

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1041 型 1041A 型 高速 塵 籠

HIGH SPEED DUST CAGE
TYPE 1041 and 1041A

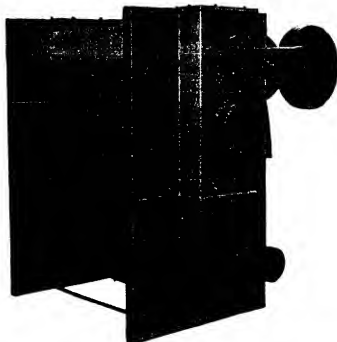
Front View

SPECIFICATION:

1. Maximum output ... 800 kg/hour
2. Working width ... 1000 mm
3. Overall dimension for type 1041 ... L. 1134 × W. 1912 × H. 1600 mm
4. Overall dimension for type 1041A
without fan ... L. 1134 × W. 1712 × H. 940 mm
5. Diameter of Dust Cage ... 560 mm

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6. Speed of Dust Cage ... 100 rpm
7. Diameter of Stripping Roller ... 360 mm
8. Speed of Stripping Roller ... 330 rpm
9. Diameter of fan ... 550 mm
10. Speed of fan (upon request) ... 1050; 1200; 1300; 1400; 1500 rpm

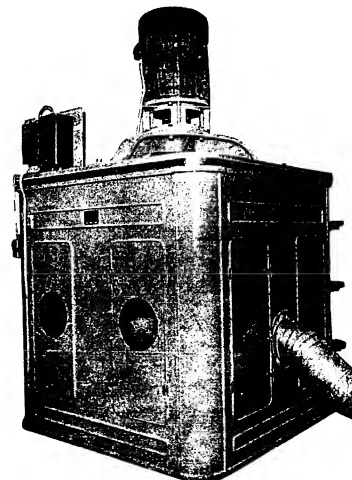


Back View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1051A型立式開棉機 CRIGHTON OPENER TYPE 1051A



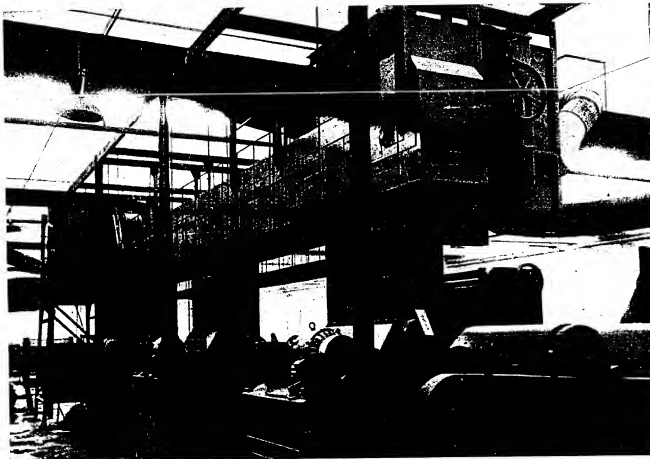
SPECIFICATION:

1. Maximum output ... 800 kg./hour
2. Overall dimension ... L. 1870 × W. 1570 × H. 2015 mm
3. Number of beater discs ... 6 pcs.
4. Total number of knives carried on discs ... 34 pcs.
5. Speed of beater ... 580; 725 rpm
6. Number of grid bars ... 120 pcs.
7. Gauge between grid bars ... 3-6.5 mm
8. Internal diameter of Feed Pipe ... 230 mm
9. Internal diameter of Delivery Pipe ... 320 mm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1061型及1061A型配棉器
DISTRIBUTING MACHINE
TYPE 1061 and 1061A



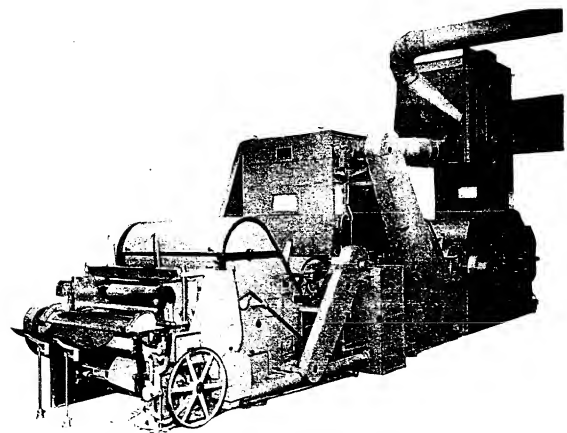
SPECIFICATION:

1. Maximum output 800 kg/hour
2. Working width 555 mm
3. Overall dimension Length — center distance between first and last delivery openings + 4025 mm
Width — 935 mm
Height — 3906 mm
Height — 3615 mm (for type 1061A)
4. Distance between adjacent delivery openings 3,000-4,000 mm (to the nearest 100 mm)
5. Speed of Rake Lattice 43 meters/min.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1071型 1071A型 單程清棉機
DOUBLE BEATER SCUTCHER
TYPE 1071 and 1071A



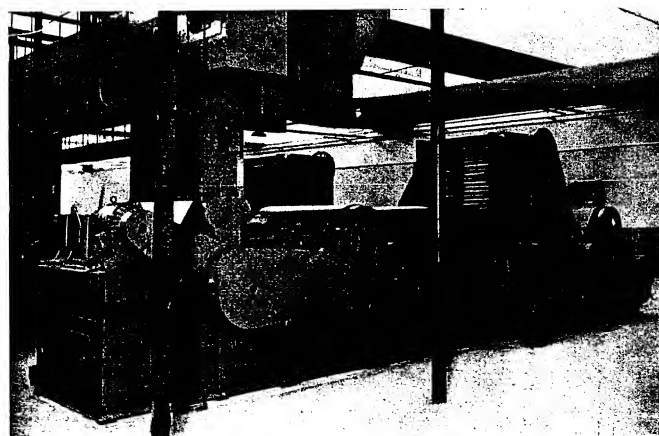
Front View

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SPECIFICATION:

1. Max. output ... 180 kg/hour
2. Calculated length of lap ... 35.21—43.35 metres
3. Working width ... Type 1071: 1016 mm
Type 1071A: 960 mm
4. Overall dimension ... L. 8713 × W. 2130 × H. 2515 mm
5. Reserve filling trunk
(over Porcupine Beater)
Height ... 985 mm
Breadth ... 1060 mm
Thickness ... 310—410 mm
6. Reserve filling trunk
(over combing beater)
Height ... 600 mm
Breadth ... 1060 mm
Thickness ... 275—350 mm
7. Diameter of Porcupine Beater ... 610 mm
(19 discs—12 knives each disc)
8. Speed of Porcupine Beater ... 470—600 rpm
9. Diameter of Three Bladed Beater ... 406 mm
10. Speed of Three Bladed Beater ... 800—1200 rpm
11. Diameter of Combing Beater ... 406 mm
12. Speed of Combing Beater ... 800—1200 rpm
13. Diameter of Striker Roller ... 350 mm
14. Speed of Striker Roller ... 260 rpm
15. Dimension of fan ... $\phi 455$ mm × 430 mm
16. Speed of Fan ... 900—1200 rpm
17. Diameter of Dust cage ... 558 mm
18. Diameter of Lap Roller ... 230 mm
19. Speed of Lap Roller ... 8—12 rpm
20. Gauge between Porcupine Beater
and Grid Bars ... Top 10—14 mm
Back 11.5—15.5 mm
Bottom 13—17 mm
Delivery 14.5—18.5 mm

21. Gauge of grid Bars of Porcupine
Beater ... 4—7 mm
22. Gauge between Grid Bar and
Three Bladed Beater and also
combing beater ... minimum at feed side 7 mm
minimum at delivery side 19 mm
23. Gauge of Grid Bars of Three Bladed
Beater and Combing Beater ... 3—7.5 mm



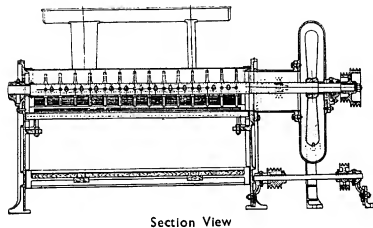
Back View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

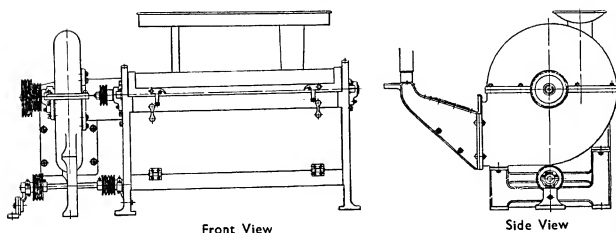
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1111 型 皮 靱 花 機
THREAD EXTRACTOR TYPE 1111



Section View



Front View

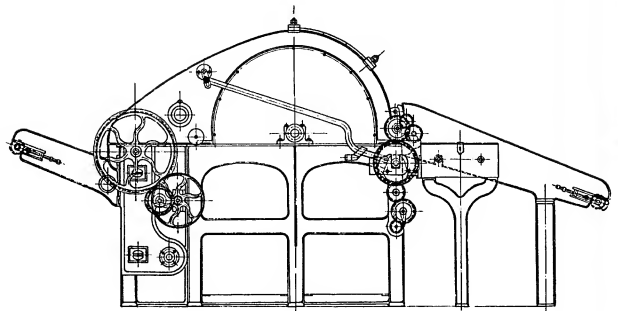
Side View

SPECIFICATION:

1. Working width ... 43"
2. Overall dimension ... W. 47 $\frac{1}{2}$ " x L. 71 $\frac{1}{2}$ " (without motor) x H. 40 $\frac{3}{4}$ "
3. Diameter of beater ... Max. 7 $\frac{1}{2}$ " min. 6 $\frac{1}{2}$ "
4. Rows of beater ... 3
5. Number of cross arms fitted on beater-shaft ... 27 per beater (per row)
6. Speed of beater ... 1100 rpm
7. Dimension of fan ... 22 $\frac{1}{2}$ " dia. x 2 $\frac{1}{2}$ "
8. Speed of fan ... 1000 rpm
9. Drive ... by individual electric motor with V-belts

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1121 型 打 拉 圾 機
WILLOW TYPE 1121



SPECIFICATION:

1. Working width ... 65"
2. Overall dimension ... L. 168 $\frac{3}{4}$ " x W. 82 $\frac{1}{2}$ " (without motor) x H. 157 $\frac{1}{2}$ "
3. Speed of feed lattice ... 31 ft./min.
4. Diameter of Cylinder ... 51"
5. Speed of Cylinder ... 330 rpm
6. Dimension of fan ... 15" dia. x 10 $\frac{3}{8}$ "
7. Speed of fan ... 1237 rpm
8. Diameter of dust cage ... 15"
9. Speed of dust cage ... 8 rpm
10. Speed of delivery lattice ... 25.1 ft./min.
11. Drive ... by individual electric motor with V-belts

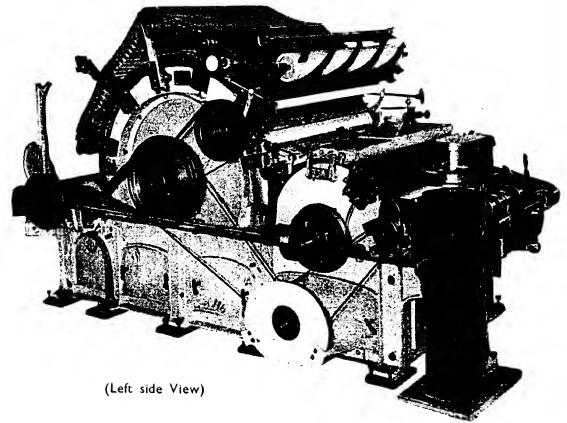
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1181 型 梳 棉 機

REVOLVING FLAT CARDING ENGINE TYPE 1181



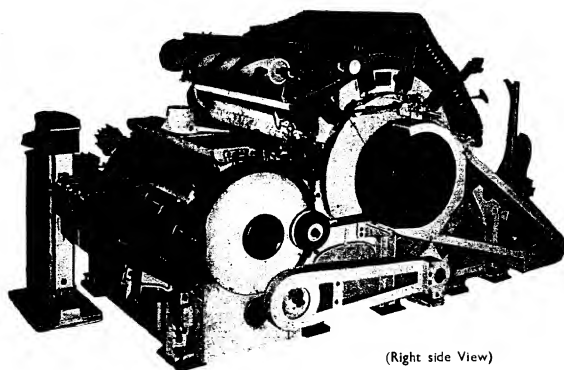
(Left side View)

SPECIFICATION:

1. Type R. hand (facing doffer, find driving pulley at right hand side)
2. Working width of machine 40"
3. Draft range 93-129 times
4. Floor space 67" \times 130 $\frac{1}{2}$ "
5. Drive Individual motor, with flat belt
6. Diameter of Lap roller 6"
7. Diameter of feed-roller 2 $\frac{1}{2}$ "
8. Diameter of Licker-in 9 $\frac{1}{2}$ "

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9. Licker-in grooves ... 8 grooves per inch and 8 starts at end
10. Licker-in speed ... 550 rpm
11. Mote knife ... 1 piece
12. Diameter of cylinder ... 50"
13. Speed of cylinder ... 172 rpm
14. Number of flats ... 106 pcs.
15. Number of working flats ... 41 pcs.
16. Flat speed ... 2" per minute
17. Diameter of doffer ... 27"
18. Doffer speed ... 8.3-12 rpm
19. System of stripping ... Hand stripping (type 1181B) Low vacuum stripping (type 1181C)



(Right side View)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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梳棉機附屬機器
AUXILIARY MACHINES FOR CARDING ENGINE
7201 型排氣風扇
(I) EXHAUST FAN TYPE 7201



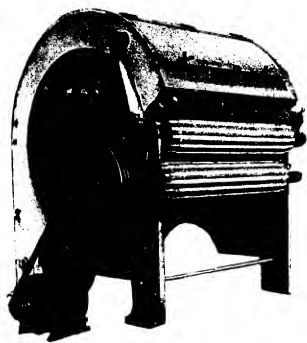
SPECIFICATION:

1. Capacity
2. Static pressure
3. Dimension ... L. 48" × W. 35½" × H. 49½"
4. Diameter of fan propeller ... 26"
5. Width of fan propeller blade ... 8½"
6. Speed of fan propeller ... 1700 rpm to 2000 rpm
7. Drive ... By electric motor 14 KW. 1440 rpm (5 pcs. V-belt B55).

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1042 型 集 棉 塵 籠
(II) CONDENSER TYPE 1042



SPECIFICATION:

1. Working width of condenser ... 32"
2. Diameter of Cage ... 25½"
3. Cage speed... 2.9 rpm
4. Drive ... Individual drive totally enclosed squirrel cage motor, 480 rpm, 4 pcs. A 51 V-belts
5. Overall dimension ... 62" × 48½" × 49½"

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1651 型 抄 鋼 絲 輥
(III) STRIPPING ROLLER TYPE 1651



(A) Application:

To strip off the cotton dust from cylinder and doffer card clothing (when this roller is covered with burnishing fillet then it becomes a burnishing roller).

(B) Specification:

1. Suitable for card width ... 40"
2. Diameter of Roller ... 5½" (without fillet)
3. Length of Roller ... 41½"
4. Diameter of shaft ... 1½"
5. Length of shaft ... 71½"
6. Drive ... By cylinder rope pulley or stripping attachment
7. Pitch diameter of rope pulley ... 6"
8. Speed ... 465 rpm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1671 型 來 回 磨 輥

(IV) TRAVERSE WHEEL GRINDER TYPE 1671

Specification:

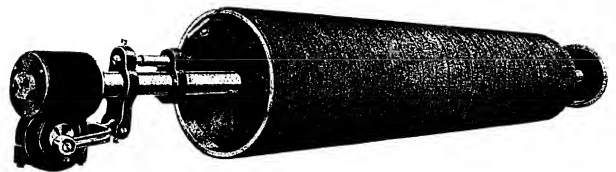
1. Suitable for card width ... 40"
2. Diameter of Wheel ... 6 $\frac{3}{8}$ " (without emery fillet)
3. Thickness of Wheel ... 3 $\frac{1}{2}$ "
4. Diameter of shaft ... 1 $\frac{1}{8}$ "
5. Length of shaft ... 67"
6. Traverse distance ... 42 $\frac{1}{2}$ "
7. Drive ... By cylinder rope pulley
8. Pitch diameter of rope pulley ... 4 $\frac{1}{2}$ " & 5" each one piece
9. Speed ... 500—550 rpm
10. Traverse motion ... By reversible leading screw & internal gear speed reducer.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1681 型 長 磨 輥

(V) FULL GRINDING ROLLER TYPE 1681

Specification:

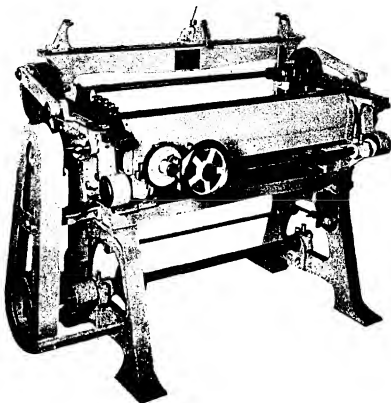
1. Suitable for card width ... 40"
2. Diameter of Roller ... 6 $\frac{3}{8}$ " (without emery fillet)
3. Length of Roller on barrel ... 41"
4. Diameter of shaft ... 1 $\frac{1}{8}$ "
5. Total length of shaft ... 65"
6. Traverse motion by eccentric wheel.
7. Traverse distance ... 8"
8. Drive ... By cylinder rope pulley
9. Pitch diameter of rope pulley ... 6"
10. Speed ... 510 rpm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1691 型磨蓋板針布機

(VI) FLAT SURFACE GRINDING MACHINE TYPE 1691

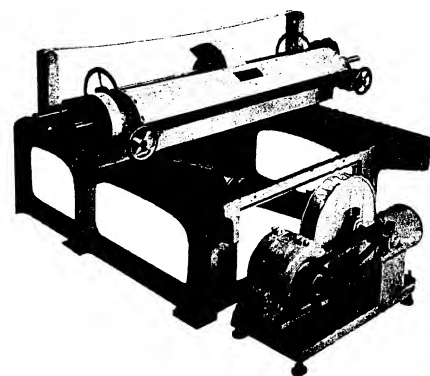
Specification:

1. Suitable for card width ... 40"
2. Flat end to end tolerance ... 0.035"
3. Number of flat to be ground each time ... 3 pcs.
4. Overall dimension ... L. 66 $\frac{1}{2}$ " \times W. 34 $\frac{1}{2}$ " \times H. 47 $\frac{3}{4}$ "
5. Drive ... By individual motor
6. Pitch diameter of driving belt pulley 5 $\frac{1}{2}$ "
7. Speed of main shaft ... 600 rpm
8. Diameter of Grinding roller ... 7 $\frac{1}{2}$ " (bare roller)
9. Length of grinding roller ... 42"
10. Grinding traverse motion by eccentric wheel
11. Traverse distance of grinding roller 1"
12. Speed ... 1200 rpm
13. Stop motion ... automatically stops when grinding is completed
14. Inspecting apparatus... indicator for indication of needle height

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1701 型磨錫林道夫滾筒機

(VII) CYLINDER AND DOFFER GRINDING MACHINE TYPE 1701

SPECIFICATION:

A. Grinding parts

1. Suitable for card width ... 40"
2. Overall dimension ... L. 72 $\frac{1}{2}$ " \times W. 18 $\frac{1}{2}$ " \times H. 15"
3. Speed of grinding wheel 500 rpm
4. Traverse distance of grinding wheel ... 42 $\frac{1}{2}$ "
5. Drive ... By cylinder through flat belt

B. Dust extraction Unit

1. Vent inlet ... 3" \times 1 $\frac{1}{2}$ " traverse with grinding wheel
2. Diameter of extraction pipe 4"
3. Diameter of fan ... 13"
4. Width of fan blade ... 1 $\frac{1}{2}$ "
5. Dust condenser ... 8" \times 11" inside lined with 5 layers of steel screens.
6. Fan driven by individual motor
7. Fan speed ... 1830 rpm

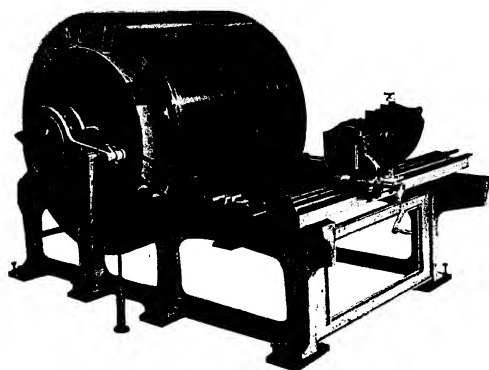
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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1711 型包錫林道夫針布機

(VIII) CARD MOUNTING MACHINE TYPE 1711



SPECIFICATION:

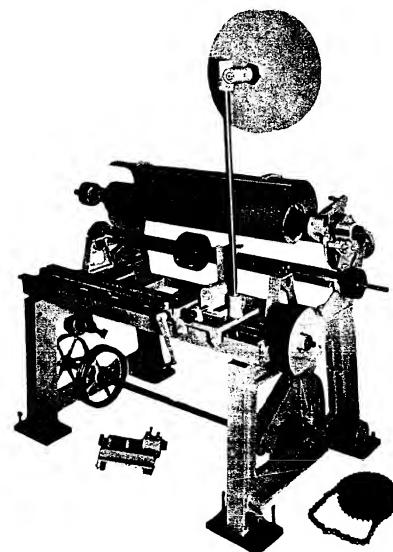
1. Suitable for card width ... 40"
2. Overall dimension ... L. 83 1/2" (total length)
W. 19 1/2" (Tensile section)
H. 19 1/2" (Tensile section)
3. Diameter of leading screw ... 1 1/2"
4. Length of leading screw ... 67"
5. Thread pitch of leading screw ... 1/4" (i. e. 4 threads per inch)
6. Maximum tensile strength ... 500 lbs.
7. Drive ... Hand operating
8. Length of table ... 56 1/2"

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1731 型刺輓包磨機

(IX) LICKER-IN ROLLER, GRINDING, DRESSING,
RECOVERING AND BURNISHING MACHINE
TYPE 1731



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Suitable for card width ... 40"
2. Overall dimension ... L. 65 $\frac{1}{2}$ " x W. 41 $\frac{1}{4}$ " x H. 56 $\frac{1}{2}$ "
3. Pitch diameter of belt pulley ... 113 $\frac{1}{16}$ "
4. Speed of main shaft ... 300 rpm
5. Speed of Licker-in Roller (Burnishing and grinding) ... 32.8 rpm
6. Speed of Licker-in Roller (mounting and straightening) ... 8.2 rpm
7. Diameter of Traverse grinding Roller ... 6 $\frac{1}{2}$ " (Bare Roller)
8. Traverse distance ... 42 $\frac{1}{2}$ "
9. Speed of Traverse grinding Roller ... 695 rpm
10. Diameter of Burnishing Roller ... 6 $\frac{1}{4}$ " (Bare Roller)
11. Traverse distance of Burnishing Roller ... 8"
12. Speed of Burnishing Roller ... 695 rpm
13. Straightener ... With 8 blades (angles to be self-adjustable)
14. Table length of Licker-in wire mounting attachment ... 54"
15. Diameter of leading screw ... 1 $\frac{1}{2}$ "
16. Thread pitch of leading screw ... $\frac{1}{4}$ " (i. e. 4 threads per inch)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1722 型 包 蓋 板 針 布 機
(X) FLAT CLIPPING MACHINE TYPE 1722

SPECIFICATION:

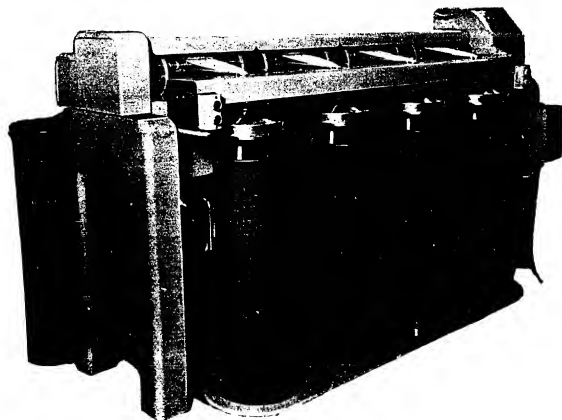
1. Suitable for card width 40"
2. Number of pieces clipped in one operation 1 piece
3. Overall dimension L. 2025 x W. 1290 x H. 1450
4. Drive By individual motor
5. Clamping operation Hand operated
6. Drive of traversing head Mechanically operated with friction clutch and automatic stop motion
7. Pitch diameter of main stop pulley 440 mm.
8. Speed of main shaft 207 rpm.
9. Width of pressure blade 127 mm.
10. Number of pressure blades 16 pcs. on both sides
11. Source of pressure on pressure blades By weight with buffer spring
12. Weight 9 kg. each
13. Number of weights 32 on both sides (2 for each pressure blade)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1242 型 併 條 機

DRAWING FRAME TYPE 1242

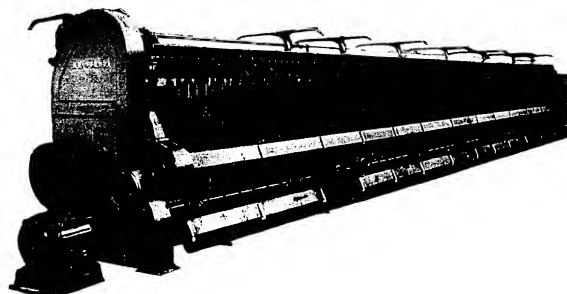


SPECIFICATION:

- | | | |
|---|-----|--|
| 1. Number of deliveries | ... | 3 or 4 |
| 2. Staff | ... | 450 mm |
| 3. Silvers per delivery | ... | 6 |
| 4. Roller diameter | ... | Type 1242A: 35—28—35—35 mm
Type 1242B: 28—25—28—28 mm |
| 5. Speed of front roller | ... | 298—381 rpm |
| 6. Draft | ... | 5.5—6.346 times |
| 7. Drive | ... | individual motor, front roller driven by flat belt |
| | ... | 3/4 h.p., 960 rpm |
| 8. Control | ... | by push button switch |
| 9. Automatic stop motion | ... | electric system |
| 10. Sliver can | ... | 254 × 914 mm |
| 11. Floor space (including sliver cans) | ... | 3 deliveries, 1,850 × 1,625 mm
4 deliveries, 2,300 × 1,625 mm |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification

1251 型 單 程 二 道 粗 紗 機

SIMPLEX INTERMEDIATE FLY FRAME
TYPE 1251A

SPECIFICATION:

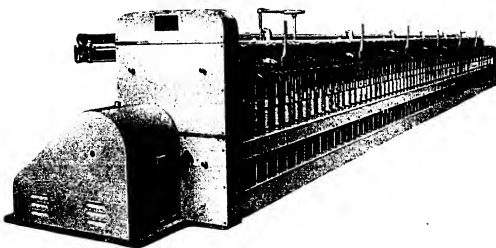
- | | | |
|---------------------------------|-----|---|
| 1. Number of spindles per frame | ... | 124, 130 spindles |
| 2. Spindle gauge | ... | 6.6" |
| 3. Number of spindles per box | ... | 6 |
| 4. Counts of roving spun | ... | 2-4 counts (metric counts) |
| 5. Size of full bobbin | ... | 6 1/2" × 10" |
| 6. Spindle speed | ... | 600, 670, 700, 725, 750 rpm |
| 7. System of draft | ... | Graduated draft |
| 8. Roller diameter | ... | 1 1/2", 1", 1 1/2", 1 1/2" |
| 9. Diameter of bare top roller | ... | 3/4" |
| 10. Draft | ... | 7.5-10 times |
| 11. Drive | ... | Individual motor, 4 H.P., 960 rpm. with V-belts |
| 12. Height of roller beam | ... | 42" |
| 13. Size of sliver can | ... | 10" × 36" |
| 14. Floor space | ... | 130 spindles: 39' 6" × 5' 7 1/2"
124 spindles: 37' 10" × 5' 7 1/2" |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1252型(1252A型) 單程三道粗紗機

HIGH DRAFT ROVING FRAME
TYPE 1252 (1252A)

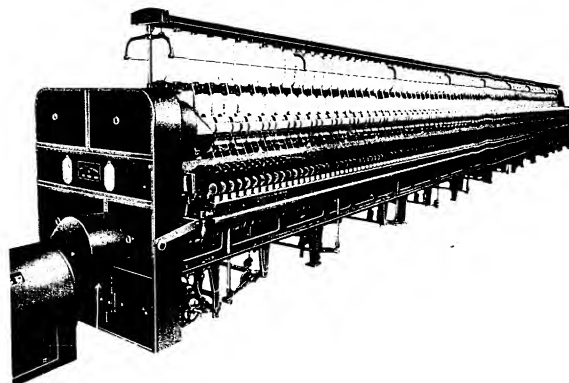
SPECIFICATION:

1. Number of spindles per frame	... 144
2. Spindle gauge	... 152 mm
3. Number of spindles per box	... 6
4. Suitable for cotton staple	... 24-34 mm
5. Counts of roving spun	... 4.5-10 counts
6. Size of full bobbin	... 492 mm × 198 mm
7. Spindle speed	... 950, 1000, 1050, 1100, 1150, 1200 rpm
8. Drafting arrangement	... Five roller 2-zone drafting system, (for type 1252A, four roller 2-zone)
9. Roller diameter	... 28, 22, 25, 25, 28 mm (for type 1252A, 32, 28, 32, 32 mm)
10. Diameter of Bare Top Roller	... 22 mm (For type 1252A, 25 mm)
11. Draft	... 11-30 times
12. Sliver rollers	... two rows of sliver rollers, with telescopic adjustment.
13. Drive	... Individual motor, 5 H.P., 960 rpm. with V-belts
14. Height of roller beam	... 900 mm
15. Size of sliver can	... 254 mm × 914 mm
16. Floor space (incl. sliver cans)	... 1914 × 12083 mm
17. Type	... Left or right hand

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1291型 經 紗 機 及 1301型 緯 紗 機

WARP SPINNING FRAME
TYPE 1291
WEFT SPINNING FRAME
TYPE 1301

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

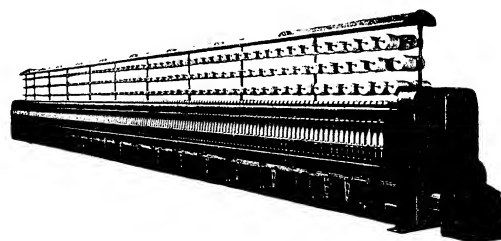
1. Number of spindles ... 400 spindles for warp frame
420 spindles for weft frame
2. Spindle gauge ... $2\frac{3}{8}$ " for warp frame
 $2\frac{1}{2}$ " for weft frame
3. Number of spindles per box ... 8 spindles (6 spindles per last 3 boxes for weft frame)
4. Counts of yarn spun ... 20-42 (English system)
34-71 (metric system)
5. Spindle speed ... 10000-13000
6. Drafting arrangement ... double apron high drafting system, 14-20 times
7. Roller diameter ... $\frac{7}{8}$ "
8. Lift ... 6"
9. Ring diameter ... $1\frac{1}{8}$ ", $1\frac{3}{8}$ " for warp
 $1\frac{1}{8}$ " for weft
10. Broken thread aspirator ... Suction fan driven by tin roller, air exhausted through main duct
11. Drive ... by individual pipe ventilated motor, 8/12 H.P., 960/1440 rpm with V-belts
12. Floor space ... $49'1" \times 3'3"$

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1391 型 撚 線 機

TWISTING FRAME TYPE 1391

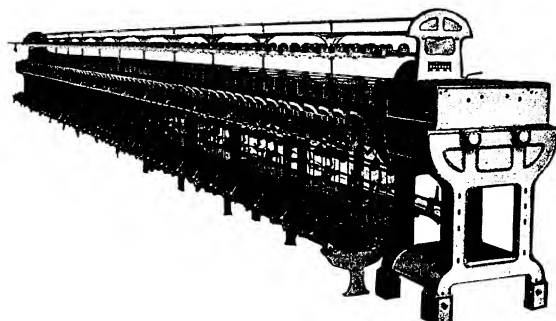
SPECIFICATION:

1. Number of spindles ... 380, 360, 340, 320, 300
2. Spindle gauge ... 75 mm
3. Number of spindles per staff ... 8
4. Dry or wet twisting ... wet twisting
5. Twist counts ... $54^{\circ}2$, $71^{\circ}2$
6. Lift ... 180 mm
7. Traverse ... semi-cylindrical winding 125 mm cop-winding 55 mm
8. Building speed ratio ... semi-cylindrical winding 1:1 cop-winding 3:1
9. Spindle speed ... 7270-8470 rpm
10. Spindle wharve diameter ... 25 mm
11. Tin roller diameter ... 254 mm
12. Type of ring ... flat, inner dia. 50 mm
13. Roller diameter ... 45 mm
14. Type of creel ... triple diagonal, flat cone, maximum dia. 160 mm
15. Drive ... individual motor, 10 h.p., 1440 rpm, with V-belts.
16. Height from floor to roller beam ... 865 mm
17. Total height ... 1640 mm
18. Width of frame ... 826 mm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1382 型 併 紗 機 DOUBLING WINDER TYPE 1382



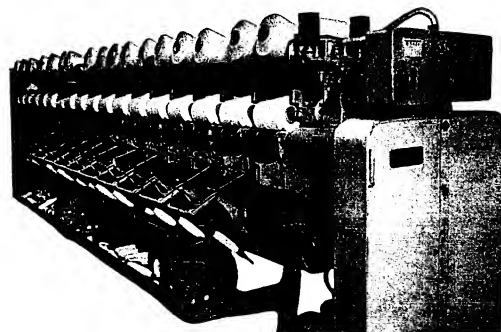
I. Specification —

- | | |
|---|---|
| 1. Type | Quick traverse motion |
| 2. Number of drums per machine ... | 120 |
| | 140 |
| | 160 |
| 3. Number of ends | 2 |
| 4. Surface speed of drums | 120 metres min. (402 rpm.) |
| 5. Distance between drums' centres | 177.8 mm. |
| 6. Size of drums | φ 95.2 mm × L. 139.7 mm |
| 7. Size of cheese | φ 165 mm × L. 130 mm |
| 8. Shape of bobbin | Straight type |
| 9. Drive | Drum shaft driven by individual motor and V-belts |
| 10. Builder | One on each side, traverse 130.2 mm., driven by drum shafts through differential gears. |
| 11. Pitch diameter of drum shaft pulley | φ 342.9 mm |
| 12. Automatic stop motion | Drop needle type, individual brake motion for each drum. |
| | Speed of guide roller shaft 190 rpm. |
| 13. Cone bobbin peg | Two for each bobbin, and with adjustable creel. |
| 14. Machine height | (a) up to drum centre line 981 mm. |
| | (b) total height 1435 mm. |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1332 型 槽 筒 式 絡 筒 機 HIGH-SPEED CONE WINDER TYPE 1332



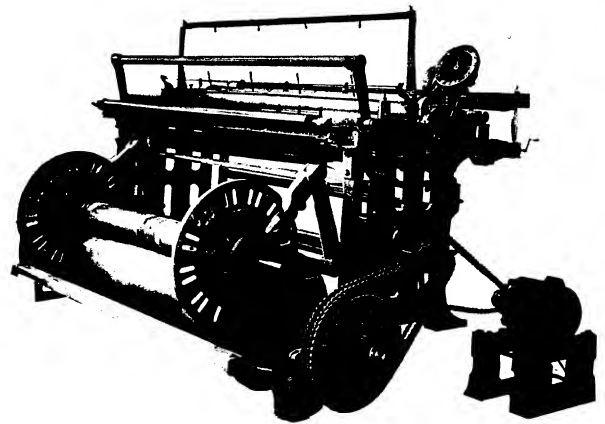
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Type... Grooved drum type
2. Number of spindles per machine 60, 80, 100 or 120 (The standard type is of 100 spindles. The following notes, if not indicated clearly, refer to the 100-spindle type)
3. Winding gauge ... 152 mm
4. Drum diameter ... 76.5 mm
- Speed of drum ... 3,010 rpm (max. speed)
- Material of drum ... Made of bakelite. Type A (for winding cotton yarn only)
5. Winding Speed ... 690 meters/min. (max. speed)
6. Size of full package ... Cone Bobbin: Inclination angle, 6°
Base of cone 200 mm ϕ , 152 mm long
(largest base of cone may reach 220 mm ϕ)
7. Drive ... Drums on each side are driven by an individual motor with V-belts (i.e. by main drive motor). Controlling mechanism is driven by an individual motor and gears (i.e. by Pilot Motor)
8. Bobbin holder ... For yarn bobbins of Warp Spinning Frame Type 1291 or thread bobbins of Twisting Frame Type 1391.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1452 型 整 經 機
 WARPING MACHINE
 TYPE 1452



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

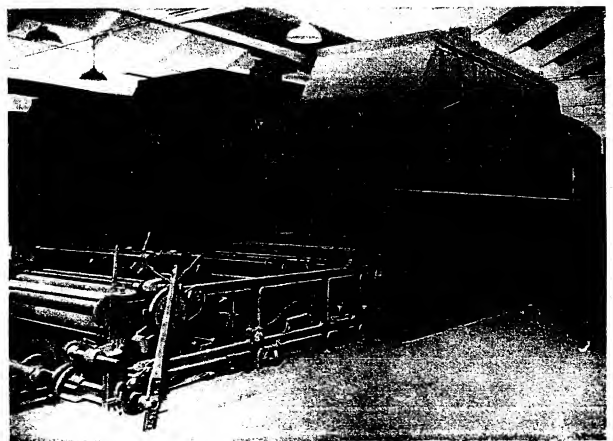
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Roller diameter 508.5 mm.
length 1378 mm.
2. Speed of winding yarn 300, 320 meters /minute
3. Number of ends
Suitable for bobbin creel type
1461, Maximum 510 ends.
4. Drive Friction disc type
5. Brake attachment Brake lining
6. Height 1057.5 mm
7. Back reed Top shedding motion with adjustable gauge
between the reed wires.
8. Front reed Expandable
9. Put-on and take-off attachment
of warp beam Hand operating, worm wheel type.
10. Warp beam weighting attachment
Weights: one at right side and one at left
side (each piece ... 18 kg.)
11. Warp beam anti-shaking attachment
Friction type
12. Stop motion Full beam stop motion:
metric indicator control.
End break stop motion:
drop wire type.
Temporary stop motion:
push button at both left and right sides
of the frame.
13. Drop roller and reversing motion None.

N.B.—For improvement of the machine, we reserve the
right to alter either the design or the specification.

1491 型 漿 紗 機
SIZING MACHINE
TYPE 1491



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Type hot air
2. Creel inclined in row for 9 or 6 beams.
3. Speed of sizing
 - High speed 20.5—32 meters/min. pitch diameter of motor pulley 195.58 mm.
24.5—35.5 meters/min. pitch diameter of motor pulley 220.98 mm
 - Low speed 1.9 or 2.2 meters/min. pitch diameter of motor pulley 195.58
2.1 or 2.5 meters/min. pitch diameter of motor pulley 220.98 mm
4. Drive
 - High speed driven by cone, individual motor with V-belt adjusted by hand wheel
 - Low speed driven by rope pulley
 - Winding on motion driven by friction pulley
 - Exhaust fan individual motor with V-belt
5. Inner width of Weaver's Beam Insertable Max. 1143 mm
6. Inner diameter of Beaming Shell of Beam Shaft 114.3 mm
7. Diameter of Draw Roller 228.6 mm
8. Expansion Comb adjustable
9. Measuring Device
 - Diameter of measuring roller ... 114.59 mm
 - Length Indicator Hitchon's type
 - One revolution of pointer represents 2.5 meters
10. Stamping Device complete set
11. Material of drying chamber ... Inner wall: 21 gauge sheet Iron
Outside wall: red pine
with heat insulating material between
- Radiation piping 3" B. I. Pipe with fins of $\phi 152.4$ mm installed in four layers totalling 118 pcs., complete with steam hop for starting, and reducing valve for stopping.
- Diameter of cooling fan 924 mm. in 11 stages.

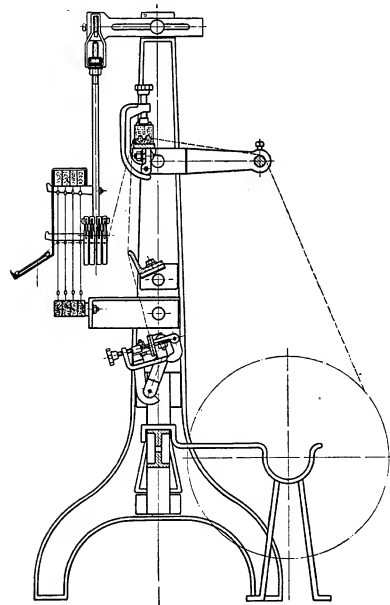
12. Sizing Trough Double Squeezing Roller type. Size: 1251mm \times 1683mm with copper lining
 - Diameter of Squeezing Roller ... 152.4 mm
 - Weight of Squeezing Roller ... Approx. 136 kg. each
 - Diameter of copper sizing roller 228.6 mm
 - Diameter of Immersion roller ... 225.8 mm
13. Circulation Pump gear type, driven by side shaft.
14. Bolling Pan approx. capacity 105 litres copper-lined.
15. Floor space
 - For Beam Flange $\phi 710$ mm warping machine type 1452
 - 9 Beam Sizing machine 21.6 \times 2.8 meters
 - 6 Beam Sizing machine 19.4 \times 2.8 meters
16. Height
 - (1) Up to top of Drying Chamber 3844 mm
 - (2) Up to top of exhaust fan 4488 mm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1501 型 單 人 穿 箔 架
DRAWING-IN FRAME TYPE 1501



Side View of Drawing-in Frame Type 1501

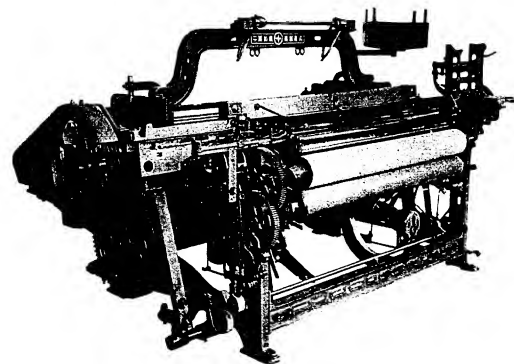
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

Specification:

1. Type Single operator type
2. Maximum width allowance of warp ... 1320 mm.
3. Maximum diameter allowance of Weaver's Beam 600 mm.
4. Maximum diameter allowance of Weaver's Beam shaft sleeves ... 111 mm.
5. Number of harness that can be hung 4 pcs. (Max. thickness 19 mm per piece)
6. Number of rows of droppers ... 4 rows
7. Maximum height allowance of reed ... 118 mm.
8. Reacher-in attachment This attachment is not provided and cannot be installed on the machine
9. Machine height 1460 mm.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1511 型 織 機
AUTOMATIC LOOM
TYPE 1511



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

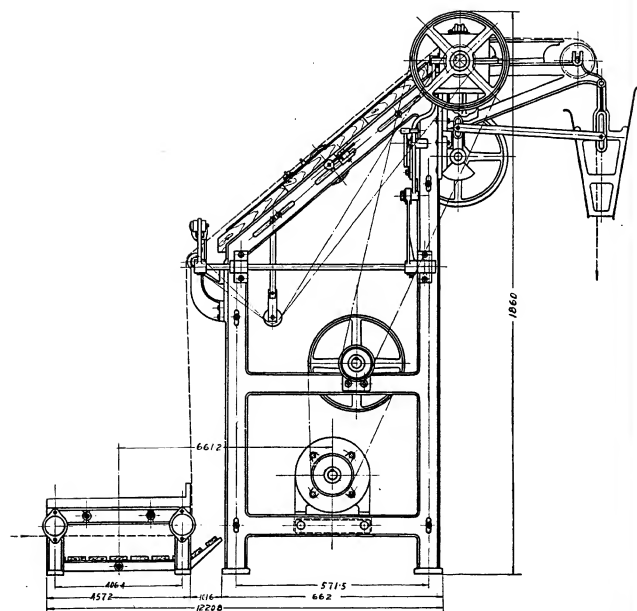
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Type ... Under pick, non-stop shuttle changing
2. Hand ... Left or right hand
3. Reed space ... 1117 mm. (44")
4. Cloth width ... 965 mm. (38")
5. Speed ... 195 picks/min.
6. Let-off motion... positive
7. Yarn beam ... Flange Dia. 495.3 mm (19½")
Maximum distance between flanges: 1117 mm
8. Warp stop motion... Mechanical system, 4 lines of dropper bars
9. Shedding motion ... Dobby up to 16 shafts, tappet up to 5 leaves
10. Slay motion ... Radius of crank shaft—70 mm
11. Picking motion... With weft breakage stop motion, loose reed attachment and shuttle-flying guard
12. Shuttle changing ... Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.
Attachment:
Miss pick preventer if required
13. Temples and take-up motions ... Temple of wood rollers, and with cloth feeler; with intermittent taking-up motion, cloth roller for 2 pieces of cloths

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1521 型 驗 布 機
CLOTH INSPECTING TABLE
TYPE 1521



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

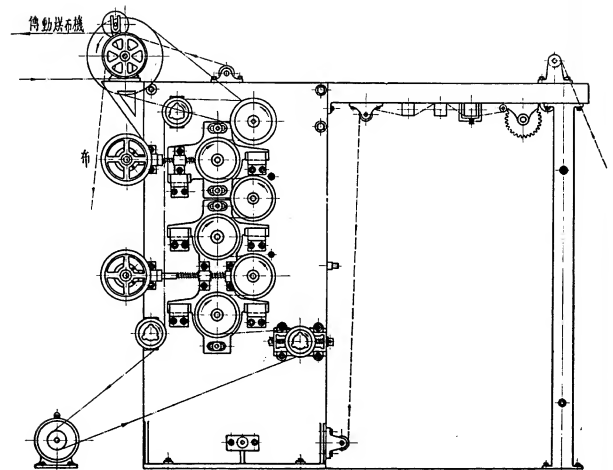
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Type 45° Inclined table
2. Working width Max. 1060 mm
3. Rate of inspection 20 meters/min. to 25 meters/min.
4. Height 1860 mm
5. Drive The wooden roller of the main shaft is individually driven by an electric motor. The pressure of the hard rubber roller on the wooden roller moves the cloth forward and backward.
6. Control The main shaft is furnished by a gear box controlled by a hand lever on the machine, facilitating forward, backward motion and stop.
7. Working surface of table 1490 × 910 mm. On the top of the table there are a white-frosted glass plate and a black one. The table is provided with a measuring ruler of 1 meter in length.
8. Length measuring unit The measuring unit is furnished with a measuring wheel, each revolution of pointer indicates 40 meters.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1531 型 刷 布 機
BRUSHING MACHINE
TYPE 1531



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

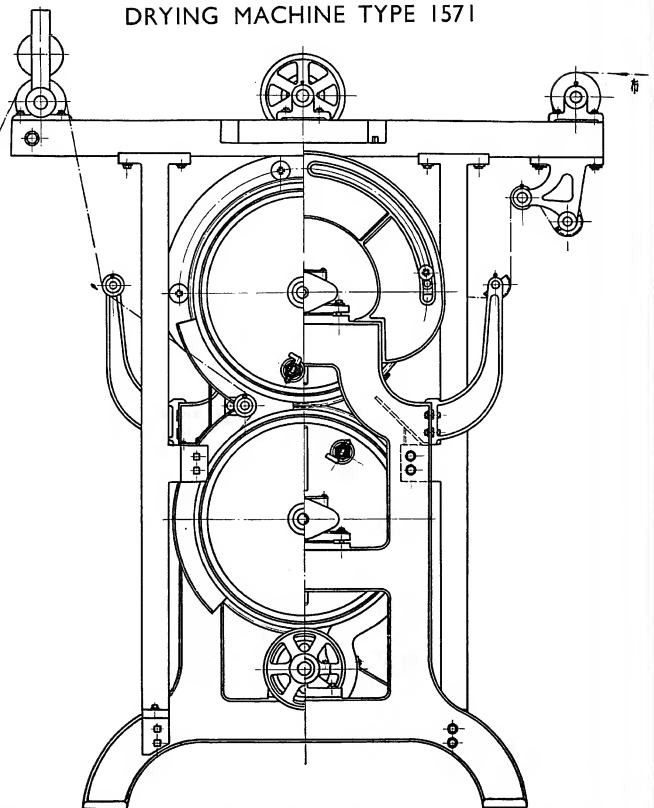
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

SPECIFICATION:

1. Type Vertical
2. Working width Max. 1000 mm
3. Brushing speed 54 metres/min.
4. Drive Individual motor, with flat belt
5. Belt pulley for driving Drying machine—diameter 228 mm
—speed 90 rpm
6. Diameter of belt pulley for Brush Roller 203.2 mm
7. Feeding Rack with tension adjusting device
8. Brush Rollers—number 2 pcs. each front and back row
—diameter 189 mm (tip to tip of bristle)
—speed 480 rpm
9. Emery Rollers—number 1 pc. each front and back row
—diameter 186 mm (bare)
—speed 480 rpm
10. Suction funnel 3 pcs. (connected to main duct beneath)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1571 型 烘 布 機
DRYING MACHINE TYPE 1571



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

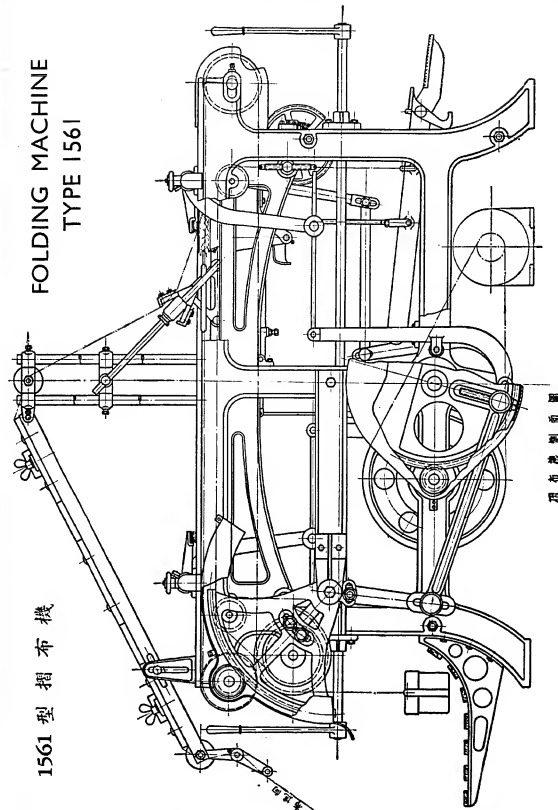
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SPECIFICATION:

1. Type Vertical double cylinder
2. Width of cloth Max. 1100 mm.
3. Surface speed of cylinder 54 metres/min.
4. Steam pressure applied Max. 1 kg/cm²
5. Drive By Brushing machine type 1531 through flat belt
6. Main pulley diameter 228 mm.
7. Number of Drying cylinder 2 pcs.
Cylinder diameter 572 mm.
Cylinder speed 30 rpm.
8. Half-shell Stretcher 2 pcs.
9. Safety valve 1 pc.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

FOLDING MACHINE
TYPE 1561



4. Width of folding ... 900—1020 mm.
5. Number of folding ... Max. 90
6. Drive By individual motor with V-belt
7. Height of machine 1500 mm.

SPECIFICATION:

1. Type Plane
2. Width of cloth Maximum width 1150 mm.
3. Speed of folding ... 54 metres/min.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

1371 型 打 包 機 BALING PRESS TYPE 1371

Specification :

This machine consists of :— Hydraulic Press, Water Pump (including water tank), and Triple Valve.

a) Hydraulic Press:—

1. Maximum working pressure 75 metric tons.
2. Surface of lifting table 1415 × 1050 mm.
3. Maximum distance between tables 970 mm.
4. Bale height (on machine) 430 mm. (20 pcs. cloth each of 40 yds.)
5. Diameter of piston 200 mm.
6. Max. lift of piston 830 mm.
7. Machine height 2210 mm. (from floor)
8. Total height 3800 mm. (from water pipe)

b) Water Pump:—

1. Number of pistons and their diameters 3 pcs., 58 mm, 45 mm, 25 mm.
2. Pressure of pistons Triple-stage, 60 kg/cm², 120 kg/cm²
240 kg/cm².
3. Piston stroke 76 mm.
4. Number of reciprocating stroke 154 times/min.
5. Capacity of water tank 0.22 cu. metre.
6. Total height 1140 mm.

c) Triple Valve:—

1. Diameter of inlet 1½"
2. Diameter of outlet 1½"

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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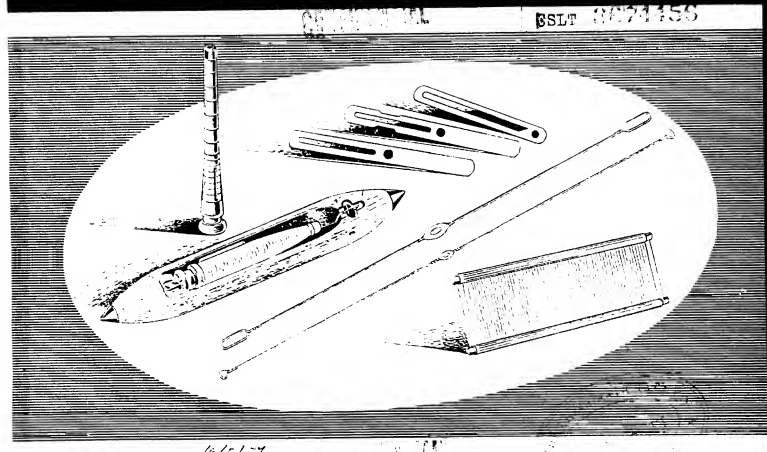
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CHINESE

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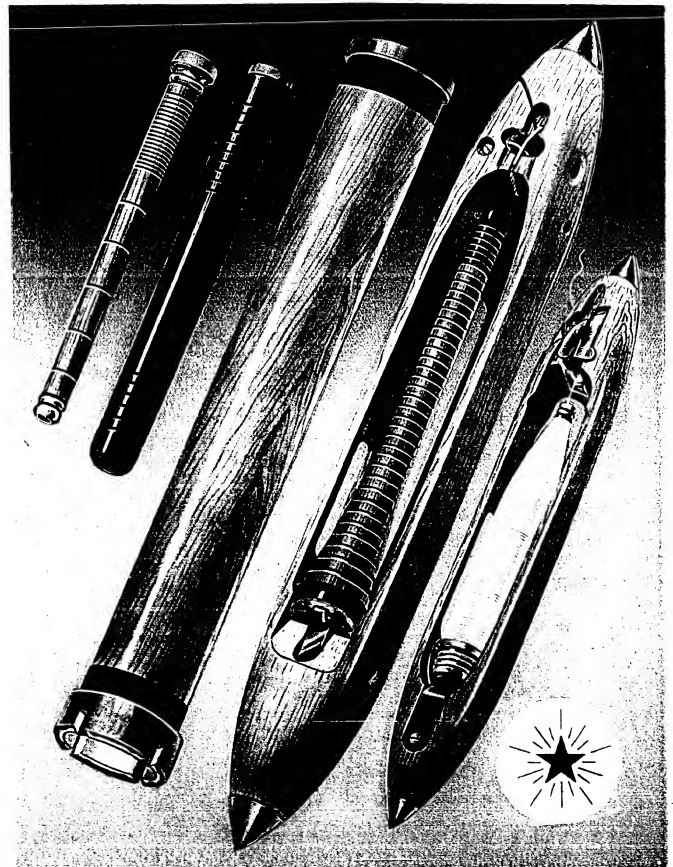
我公司經銷“星光”牌棉、毛、絲、麻等紡織廠用各種紗管、梭子、鋼筘、鋼絲綜、停經片等紡織用品。這些產品完全選用上等原料製造，規格準確，分別適合各種類型紡織機使用。

茲將常見的通用產品，編列目錄於次頁藉供採用；此外，對於特定設計之各種規格用品，祇要惠寄圖樣，說明規格，或檢寄實物樣品，也都可以按照要求，承接定製。如蒙垂詢，自當竭誠奉覆。

We are suppliers of "Star Light" brand wooden bobbins, shuttles, reeds, wire healds and weaving droppers for cotton, woolen, silk and ramie spinning and weaving factories. These products are made from materials of first choice and are of standard types suitable for various kinds of textile machinery.

In the following pages we give a list of our general products for reference purpose. In case of requirements of special design, we are able to make them in accordance with drawings indicating details of specifications or samples submitted to us.

We shall be very pleased to receive your enquiries and shall always pay our prompt attention.



SPECIFICATIONS OF BOBBINS

粗紗管
SLUBBING AND ROVING BOBBINS
with 28-gauge tinplate holders on top and bottom, finished in brown varnish.

經紗管
RING RABBETHS
with one brass ring holder at the bottom, finished with three coatings of black Chinese lacquer, which is well known for its water-proof property.

換梭式緯紗管
WEFT PIRNS
with one brass holder at the bottom, finished with brown varnish, for automatic shuttle changing shuttle.

換緯式緯紗管
WEFT PIRNS
metal base and tip, complete with 3 steel wire rings, finished in brown varnish, for automatic pirn changing shuttle.

普通緯紗管
UNIVERSAL PIRNS
with 28-gauge tinplate holders on top and bottom, finished in brown varnish, for common style shuttle.

經紗筒管
WARPING BOBBINS
with steel flange binders and steel bush.

併紗筒管
DOUBLER BOBBINS
with metal shields on both flanges.

寶塔紗筒
WINDER CONES
varnished.

絲織緯紗筒
BOBBINS
for silk or rayon spinning.

粗紗木錠
SKEWERS
for slubbing bobbin.

SPECIFICATIONS OF SHUTTLES

中機自動換梭式梭子
Shuttles for shuttle changing automatic loom
Dimension:
 $13\frac{1}{2}'' \times 1\frac{3}{4}'' \times 1\frac{5}{16}''$ (343 mm. \times 44.5 mm. \times 33.2 mm.)

自動換緯式梭子
Shuttles for pirn changing automatic loom
Dimension:
 $14\frac{1}{2}'' \times 1\frac{3}{4}'' \times 1\frac{5}{16}''$ (368 mm. \times 44.5 mm. \times 33.2 mm.)

普通式梭子
Shuttles of common type power loom
Dimension:
 $14\frac{1}{4}'' \times 1\frac{3}{4}'' \times 1\frac{5}{16}''$ (362 mm. \times 44.5 mm. \times 32.5 mm.)

絲織梭子
Shuttles (fiber covered on 3 sides) for silk rayon loom
Dimension:
 $13\frac{3}{4}'' \times 1\frac{1}{4}'' \times 1\frac{3}{8}''$ (350 mm. \times 31.8 mm. \times 26.2 mm.)

毛織梭子
Shuttles for woolen and worsted loom
Dimension:
 $16\frac{1}{2}'' \times 2\frac{1}{4}'' \times 1\frac{5}{8}''$ (420 mm. \times 57.2 mm. \times 41.3 mm.)

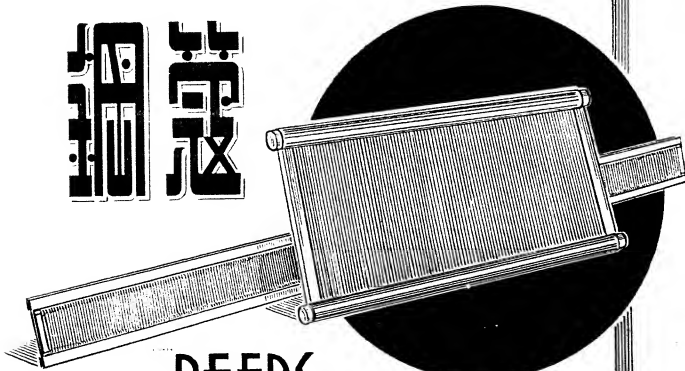
麻織梭子
Shuttles for jute loom
Dimension:
 $20\frac{3}{8}'' \times 2\frac{7}{16}'' \times 1\frac{7}{8}''$ (529 mm. \times 62 mm. \times 47.7 mm.)



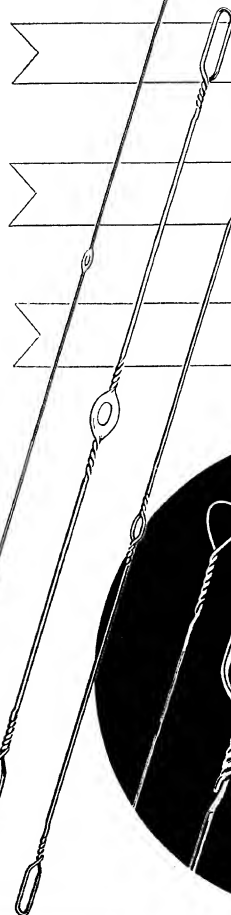
停經片

Weaving Droppers

鋼冠



·REEDS·



● 絲織用各種銅絲綜

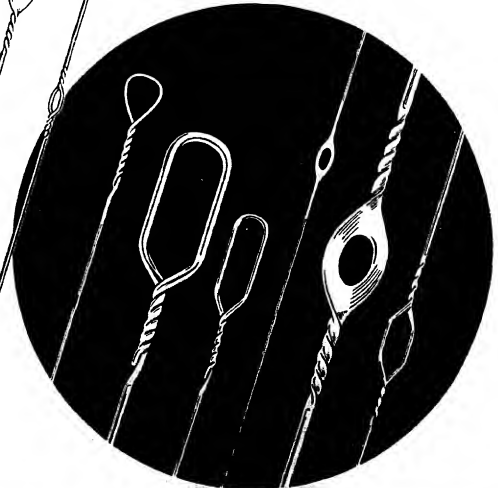
WIRE HEALD WITH RING MAIL FOR SILK

● 麻織用各種銅絲綜

WIRE HEALD FOR JUTE

● 棉織用各種銅絲綜

WIRE HEALD FOR COTTON



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BRANCH OFFICES

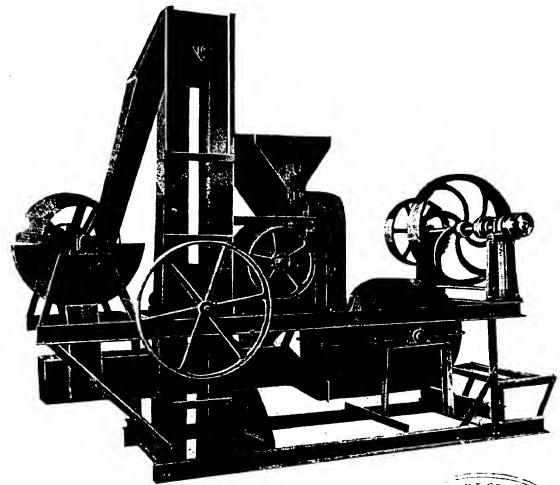
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CABLE ADDRESS: "TRANSMACH"
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CABLE ADDRESS: "TRANSMACH"
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50X1-HUM

花生剥皮機
PEANUT SHELLER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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ER-LI-KOU, HSI-CHAO, PEKING, CHINA, CABLE ADD: TRANSMACH PEKING

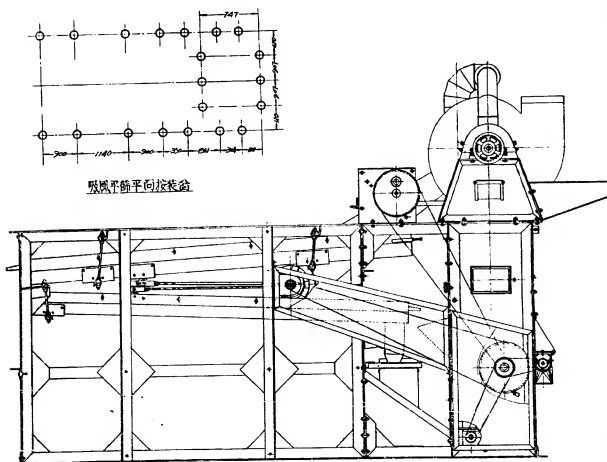
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10/5/57

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Aspirator sifter is specially designed for cleaning cotton seeds before expelling. This machine separates cotton seed from all dirt and impurities. By means of the aspirator it rids cotton seed of the lighter impurities such as lint, etc. The sifter, shaking to and fro, makes cotton seed rub each other in such a way that dust will be separated from the seed. On account of its high productivity and its capability to supplement the requirements of several oil expellers simultaneously, it is best suited for use in large oil mills.

Sieving area (length & width) ...	3060 × 1530 mm.
Number of strokes ...	300 per min.
Speed of fan ...	1000 rpm.
Treating Capacity (24 hours) ...	80 — 120 tons.
Power required ...	10 H.P.
Overall dimension (L×W×H) ...	4330 × 2110 × 3100 mm.
Weight ...	Net 3,500 kgs. Approx.

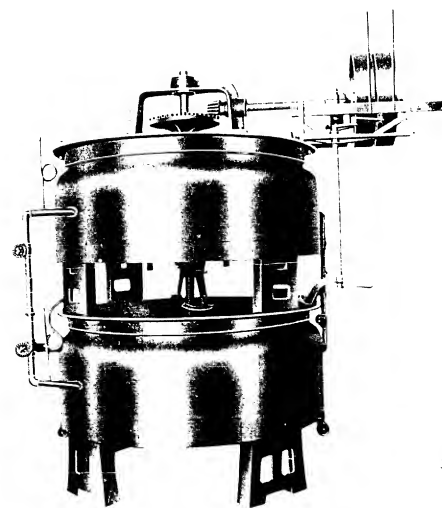


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50X1-HUM

預 熱 鍋
PRE-HEATER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS
ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

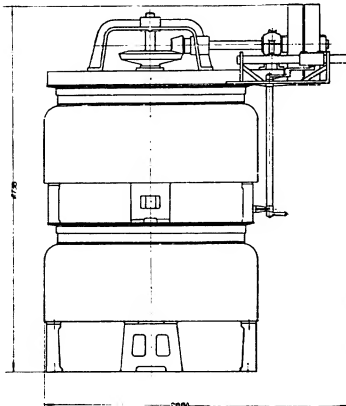
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16/6/37

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This is a double heating kettle mounted on columns with interior steam-pipe coils for drying seeds, such as peanuts, soya beans, rapeseed, cottonseed, etc., to facilitate oil extraction. The temperature can be regulated according to requirements. Steam is supplied from a separate boiler.

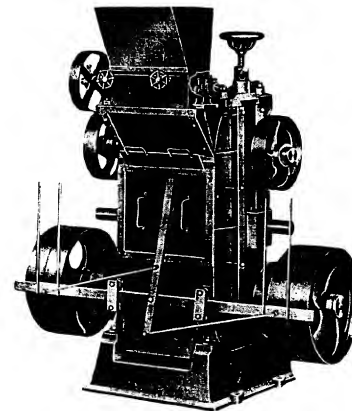
Treating capacity	...	830 kgs./hr.
Kettle: Inner diameter	...	1981 mm.
Outer diameter	...	2209 mm.
Height	...	762 mm.
Pulley: Width	...	127 mm.
Speed	...	152 rpm.
Diameter	...	610 mm.
Inlet opening	...	177 x 152 mm.
Stirrer blade	...	22 x 127 mm.
Pre-heating temperature	...	100°C
Diameter of steam piping	...	100 mm.
Steam pressure	...	8 atm.
Stirrer shaft: Diameter	...	73 mm.
Speed	...	38 rpm.
Power required	...	20 H.P.
Overall dimension (L x W x H)	...	2880 x 2210 x 2738 mm.
Weight	...	Net 4142 kgs. Approx.

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50X1-HUM

連三軸粉碎機

THREE-HIGH CRUSHING ROLLER MILL



中國運輸機械進口公司
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IMPORTERS & EXPORTERS

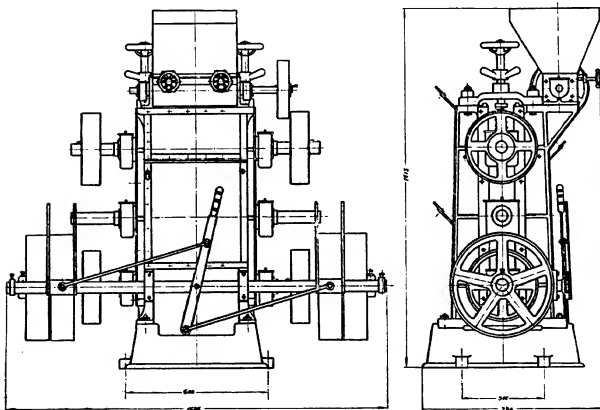
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This Three-High Crushing Roller Mill is constructed of the same principle as the Five-High Model. Three instead of five crushing rolls are arranged one above the other. It is designed to run economically for the medium and small size oil mills, where a smaller treating capacity will suffice.

Treating Capacity	...	...	...	...	...	330 kgs./hr.
Roller: Diameter	...	...	...	...	...	305 mm.
Length	...	...	...	...	...	381 mm.
Diameter of pulley	...	...	...	...	...	467 mm.
Width of belt	...	...	...	...	...	110 mm.
Speed of main shaft	...	...	...	...	...	180 rpm.
Power required	5 H.P.
Overall dimension (L×W×H)	1,696×784×1,615 mm.
Weight	Net 1,000 kgs. Approx.



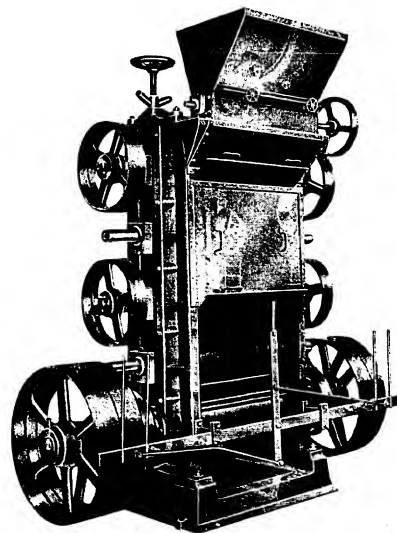
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50X1-HUM

五軸粉碎機

FIVE-HIGH CRUSHING ROLLER MILL



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

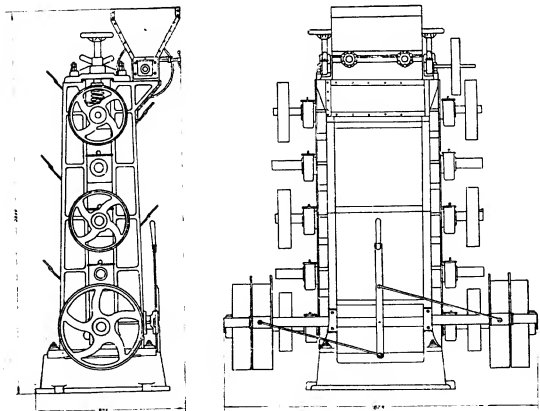
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This Five-High Crushing Roller Mill having all its five rolls fitted with ball bearings, runs smoothly, requires little power, and has a very high efficiency. It is used either in oil mills for the preliminary crushing of oil-bearing materials, such as cottonseed, peanuts, soya beans, rapeseed, tung seed, sesameseed, copra, etc., to ensure maximum yield of oil in the subsequent extraction, or in brewhouses where yeast is to be crushed.

The cleaned seed, being automatically and uniformly distributed over the entire length of the top roll by means of the feed hopper and the feed roller, is passed consecutively through 5 rolls in a zig zag manner and is crushed from coarse to fine in four stages. All rolls are equipped with meal guards, which prevent the meats from being thrown off from the revolving rolls onto the floor.

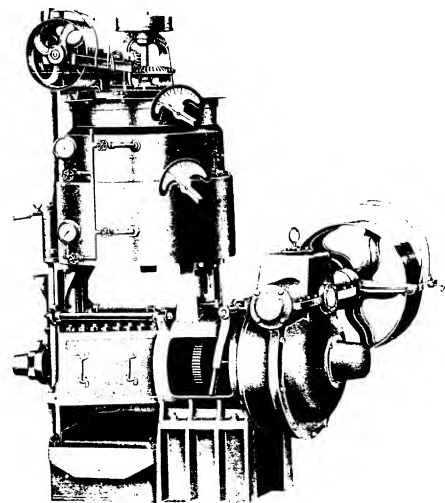
Treating capacity	916 kgs. hr.
Roller: Diameter	335.5 mm.
Length	812 mm.
Number	5
Pulley: Diameter	813 mm.
Width	140 mm.
Speed of main shaft	180 rpm.
Power required	25 H.P.
Overall dimension (L×W×H)	2,420×945×2,640 mm.
Weight	Net 3,800 kgs. Approx.

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50X1-HUM

中型榨油機

MEDIUM SIZE OIL EXPELLER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
 IMPORTERS & EXPORTERS

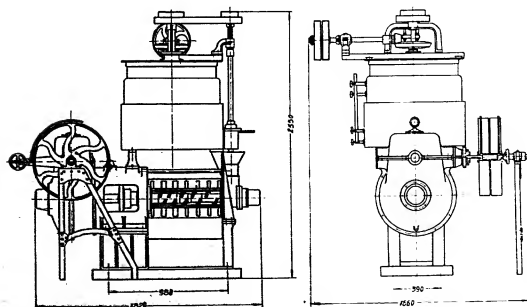
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The Medium Size Oil Expeller can be handled by a single operator. The treating capacity is reduced and adapted for the medium and small oil mills. Procedure of operation and usage of the machine are otherwise same as the 8-ton Model.

CAPACITY

Name of raw material	Temperature of material for pressing	Thickness of cake	Treating cap. per 24 hours	Remaining oil in cake	Pressing
Cotton seed	110°C	4 mm.	2.5 — 3 tons	6 ^{0/10}	Single
Peanuts	110°C	4 mm.	2.5 — 3 tons	5 ^{1^{0/10}}	Single
Rape seed	110°C	4 mm.	2.5 — 3 tons	6 ^{0/10}	Single
Sesame seed	110°C	4 mm.	2.5 — 3 tons	5 ^{1^{0/10}}	Single
Soya beans	110°C	5 mm.	2.5 — 3 tons	5 ^{0/10}	Single



Pressing cage:	Diameter	101 mm.
	Length	558 mm.
Cage bar:	Length	273 mm.
	Thickness	18 mm.
Cage bar slit		0.65-0.7 mm.
Number of worm wings		6
Worm shaft:	Diameter	50 mm.
	Speed	14 rpm.
Belt pulley:	Diameter	762 mm.
	Width	105 mm.
	Speed	240 rpm.
Upper kettle:	Diameter	738 mm.
	Height	404 mm.
Lower kettle:	Diameter	915 mm.
	Height	305 mm.
Diameter of steam piping		50 mm.
Speed of stirrer shaft		43 rpm.
Steam pressure required		3.5-4.5 atm.
Overall dimension (LxWxH)		1829x1660x2550 mm.
Weight		Net 3500 kgs. Approx.

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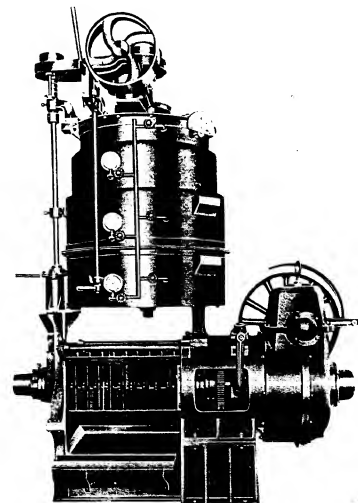
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50X1-HUM

八 噸 榨 油 機
EIGHT-TON OIL EXPELLER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS
ER-LI-KOU, HSI-CHAO, PEKING. CHINA CABLE ADD: TRANSMACH PEKING

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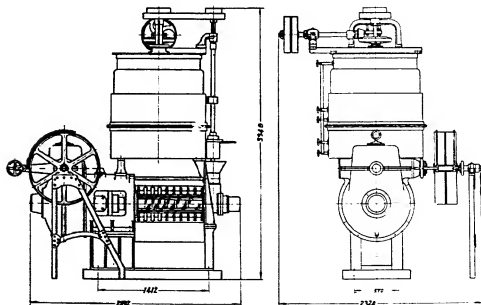
16/5/57

The outstanding features of the oil expeller are the improved kettle, worm and cake cutter resulted from our many years of manufacturing experience. Aside from the convenience in operation and maintenance, it is the most powerful and efficient continuous press, especially suitable for the "all purpose" oil mill designed to handle a wide variety of raw materials from time to time.

A triple steam-jacketed kettle with stirring devices is mounted on top to cook the prepared stock at full expeller capacity and efficiency. The meal thus warmed is continuously fed into the oil expeller, where it is subjected to a very high pressure produced by a worm rotating inside of the press cage formed with bars. The oil flows out through the spaces between bars, while the residue is discharged from the slits at the head.

CAPACITY :

Name of raw material	Temperature of material for pressing	Thickness of cake	Treating cap. per 24 hours	Remaining oil in cakes	Pressing
Cotton seed	110°C	4 mm.	8 — 8½ tons	6%,	Single
Peanuts	110°C	4 mm.	7 — 7½ tons	5½%,	Single
Rape seed	110°C	4 mm.	7½ — 8 tons	6%,	Single
Sesame seed	110°C	4 mm.	7½ — 8 tons	5½%,	Single
Soya Beans	110°C	5 mm.	8 — 8½ tons	5%,	Single



Pressing cage: Inside diameter	151 mm.
Length	844 mm.
Cage bar: Length	273 mm.
Thickness	11-19 mm.
Sections of pressing cage	3
Cage bar slit	0.7-0.65-0.6 mm.
Number of worm wings	7
Main shaft diameter	76.2 mm.
Upper kettle: Diameter	990 mm.
Height	508 mm.
Steam piping diameter	76 mm.
Kettle belt pulley: Diameter	455 mm.
Width	85 mm.
Speed	208 rpm.
Lower kettle: Diameter	1,215 mm.
Height	405 mm.
Kettle stirrer speed	40 rpm.
Main shaft speed	115 rpm.
Main shaft belt pulley: Diameter	905 mm.
Width	135 mm.
Belt pulley speed	244 rpm.
Steam pressure required	5 to 6 atm.
Power required	20 H.P.
Overall dimension (L×W×H)	2692×2320×3348 mm.
Weight	Net 5000 kgs. Approx.

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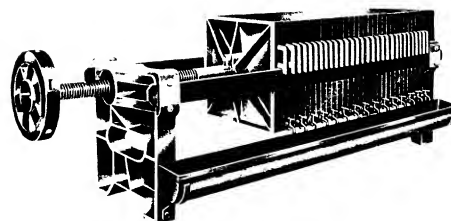
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濾 油 機
FILTER PRESS



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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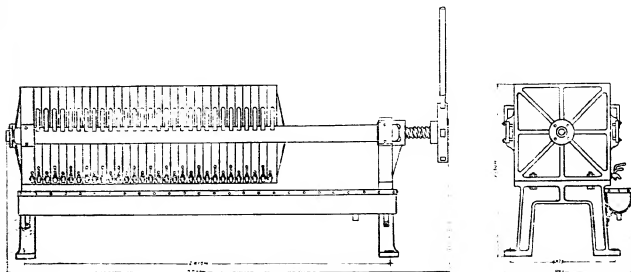
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For the essential removal of meal, organic matters and other materials from crude oil of whatever origin and process of production, this filter press which permits lively operation with high filtering pressure is most suitable.

The skeleton construction of the press is the sturdiest of its kind, with plates and frames resting on heavy side bars and closed by means of a heavy screw shaft actuated by a hand wheel. A piece of 8x8 strand filtering canvas of 660x1475 mm and a piece of white cloth of the same size are required for every filter plate.

Treating capacity (24 hours) ...	6 — 7 tons.
Number of filter plates ...	30
Dimension of filter plate ...	635x635x52 mm.
Side bars (left & right) ...	106x26x2500 mm.
Screw shaft: Diameter ...	67 mm.
Length ...	925 mm.
Threads ...	2/in.
Hand wheel: Diameter ...	400 mm.
Width ...	68 mm.
Number of slots on hand wheel ...	6
Size of slots ...	38x51 mm.
Diameter of inlet pipe ...	32 mm.
Chamber volume ...	105 litres.
Overall dimension (LxWxH) ...	2900x850x1130 mm.
Weight ...	Net 3000 kgs. Approx.



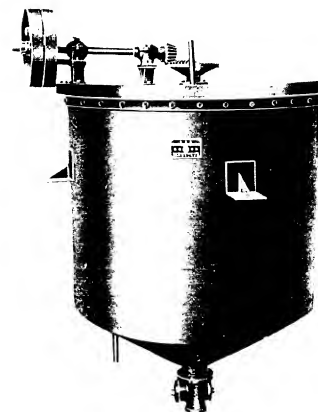
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清 油 罐

OIL PURIFIER



中國運輸機械進口公司
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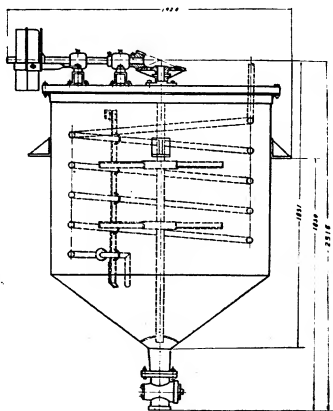
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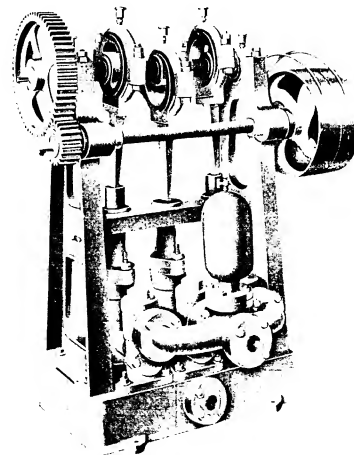
The oil purifier is the indispensable equipment in oil mills for purifying cotton seed oil.
All the sediments in the oil will settle in six hours.

Treating Capacity	...	...	...	...	250 kgs. hr.
Tank: Diameter	...	...	...	...	1480 mm.
Height	...	...	...	...	1951 mm.
Capacity	...	...	...	...	1500 kgs.
Stirrer shaft: Diameter	...	...	...	...	50 mm.
Speed	...	...	...	...	40 rpm.
Transmission ratio of bevel gears	...	...	...	...	3:1.
Belt pulley: Diameter	...	...	...	...	410 mm.
Width	...	...	...	...	80 mm.
Diameter of coil pipe	...	...	...	...	25.4 mm.
Number of coils	...	...	...	...	5
Treating temperature	...	...	...	...	60 °C.
Power required	2 H.P.
Overall dimension (L×W×H)	1920×1784×2516 mm.
Weight	Net 750 kgs. Approx.

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三缸油泵
TRIPLE PLUNGER PUMP



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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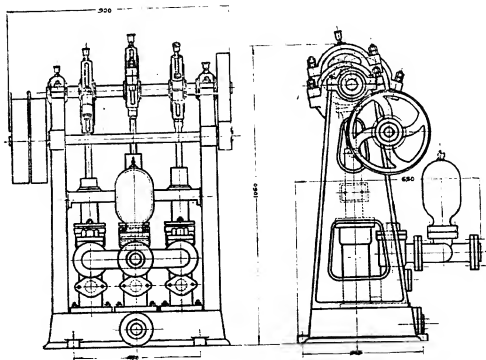
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This pump is designed for pumping oil into filter press and can also be used for other pumping purposes in oil mills.

Number of cylinders	...	3
Diameter of cylinder	...	60 mm.
Stroke	...	79 mm.
Speed	...	75 rpm.
Diameter of belt pulley	...	300 mm.
Width of belt pulley	...	70 mm.
Diameter of suction pipe	...	32 mm.
Diameter of discharge pipe	...	32 mm.
Pressure head	...	3.5 metre
Capacity	...	830 kgs. hr.
Power required	...	2 H.P.
Overall dimension (L×W×H)	...	800×650×1060 mm.
Weight	...	Net 340 kgs. Approx.



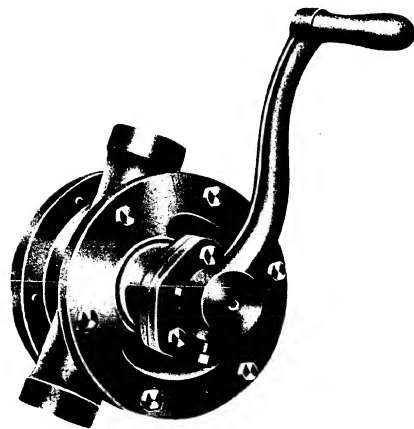
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手 搖 泵

HAND PUMP



中國運輸機械進口公司
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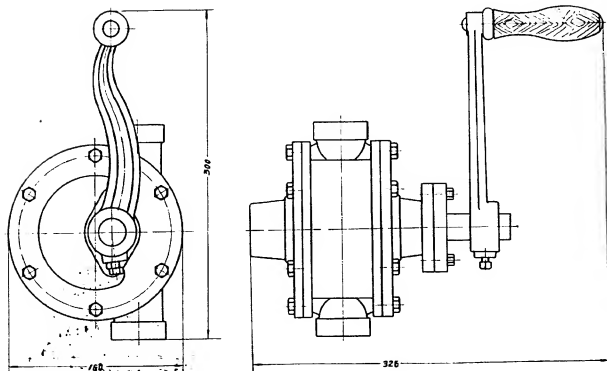
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The hand pump is designed for delivering oil or other liquid in oil mills, oil and fat manufacturers etc. It is portable and easy in operation.

Suction pipe diameter 25 mm.
 Discharge pipe diameter... .. 25 mm.
 Delivery capacity 1 cu. m./hr.
 Pressure head 3 m.
 Speed 80 rpm.
 Overall dimension (L×W×H) 160×326×300 mm.
 Weight Net 50 kgs. Approx.



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中國運輸機械進口公司

50X1-HUM

整圓輪胎翻制機

本机專供旧胎翻新之用，使用簡便，翻制時間迅速。在翻制前先將旧胎磨圓及磨毛，將配合之橡膠黏復于胎上，置于模內硫化，即可整旧如新。

外模，上半模由架支持，固定不動，下半模與上半模之間，有鉸鏈接合，由空氣筒閉閉，另用蒸汽使兩半模加熱進行硫化。

內模，配有各種尺寸及刻花之鋸模，任憑選訂，均可照價供應，模子式樣共分五種，每種适用于某種規格範圍內之鋸模（見附表），每套機器備有鋸模一個，其尺寸須于定貨時選定。

硫化過程：在硫化時先將適合之汽袋置于胎內，後將下模用空氣筒上升關閉，從側面使蒸汽進入上下模施以高度壓力，促成硫化工作，關於所應用之汽袋，由客戶自備，製造此項汽袋之鋸模可接價供應。

翻制時間：每條輪胎需一小時半至二小時，附屬設備如鍋爐及空氣壓縮機等，均可接價供給。

型 號	輪胎尺寸	重 量			可以配合外模使用
		淨	毛	裝箱尺寸	
TR 1	650 × 16	749	882	86.5 × 99 × 1245	如需翻制 600 × 16 輪胎，只要另備 600 × 16 內模同樣適用
TR 2	750 × 20	933	1165	89 × 1245 × 1475	如需翻制 650 × 20 700 × 20，只要另備內模亦可適用
TR 3	1000 × 20	1716	1906	91 × 141 × 166	如需翻制 825 × 20 900 × 20，只要另備內模亦可適用
TR 4	1200 × 20	2400	2645	91.4 × 143 × 176	如需翻制 1050 × 20，1100 × 20 只要另備內模亦可適用
TR 5	1200 × 22	2453	2821	91.4 × 147 × 180	

本机附件：汽壓表一具，熱度表一只，及應用扳頭等工具

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橡 膠 混 合 机

本机專煉生膠硫化之用，將生膠与化学原料同时混合機，重磨機即成硫化原料，机架坚固，有齒輪轉动，轉速不同的冷硬鉄輥兩只，由蒸汽加热并有冷却裝置，其热度可随时調整，輥間距离，可用螺絲調整，輥上有銅襯套軸承，輥子裝有調整導板防止硫化質料濺出，本机由一电动机通过減速齒輪轉动并备有离合器。

輥筒尺寸：

直 徑：.....350公厘 (14")
長 度：.....914公厘 (36")

速 度：

主 軸：.....16/ 分
副 軸：.....12/ 分
主 軸：.....75/ 分

變速機比速：.....960: 75

需用馬力：.....40匹

外型尺寸：.....3680 × 1640 × 1060公厘

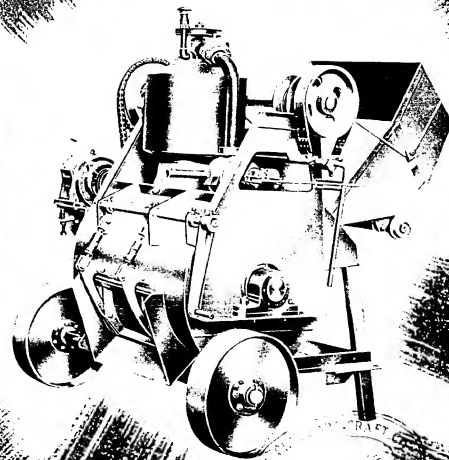
產 量：.....每小時30—40公斤

重 量：.....約4500公斤

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AUTOMATIC STUCCO MIXER

自動式泥漿攪拌機



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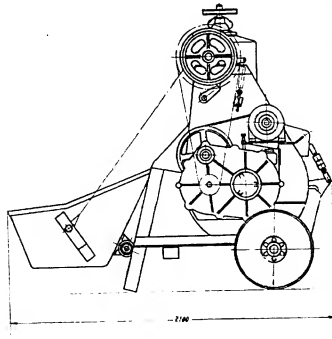
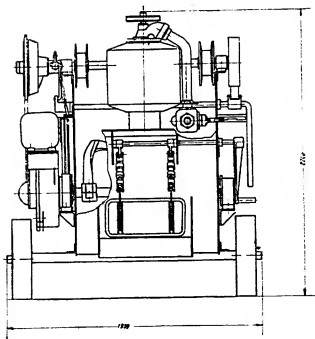
This mixer is of the latest design. It prepares stucco of cement, sand, lime and hemp and also that of clay, hemp, etc. It offers a smoother mix at such a low cost that it is impossible for the hand method to compete. The consistently high quality of stucco it produces combined with the savings in time, has justified itself as an indispensable machine for any large scale construction work.

The ratio of water to raw materials is a dominating factor in determining the quality of stucco. The water container of this machine is of the automatic self-measuring type with quantity of water controlled by an adjustable siphon pipe, which once set, every batch will receive a uniform amount of water.

The driving system is a combination of the 2.8 KW motor, V-belt, gears, sprocket wheels, etc. With mixing, elevating and lowering of the bucket actuated by motor, manual labour is reduced to a minimum.

In short, the operator is not only given the privilege of a lively operation but also the assurance of a thorough mixing.

Capacity	200 to 325 litres.
Mixing blade speed	30 rpm.
Average mixing capacity	26 cu. m. 8 hrs.
Motor	2.8 KW.
Overall dimension (L×W×H)	2,100×1,900×2,200 mm.



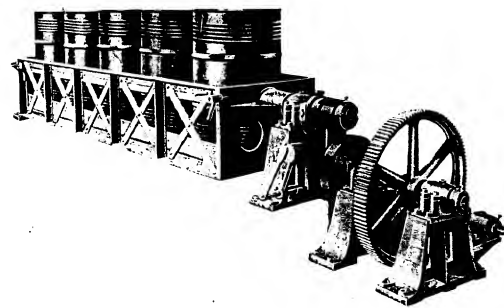
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50X1-HUM

立式洗桶機

VERTICAL HOGSHEAD WASHER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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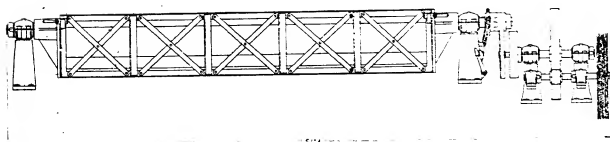
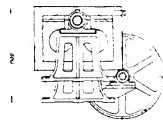
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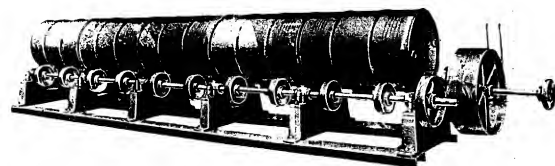
This machine is designed for washing hogsheads. It remarkably lightens physical labour and prevents the hogsheads from being damaged. In the hogshead stand timbers of 25×100 mm. are laid. While washing, two iron chains and one kilogram of caustic soda solution are to be used for every hogshead.

Treating capacity (washing bottom of hogshead) ...	10 hogsheads 3 hrs.
V-belt pulley: Diameter ...	62 mm.
Width ...	79 mm.
V-belt: Number ...	4
Length ...	120 in. A-type
Swing speed ...	35 times min.
Main shaft speed ...	35 rpm.
Number of hogshead washed ...	5 pcs. each operation
Swing angle ...	± 70
Power required ...	15 KW.
Overall dimension (L×W×H) ...	5,104 . 1,200 . 800 mm.
Weight ...	Net 750 kgs. Approx.

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50X1-HUM

平 型 洗 桶 機
HORIZONTAL HOGSHEAD
WASHER



中國運輸機械進口公司
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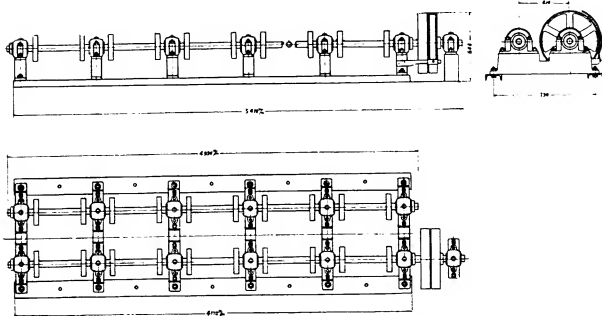
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This machine simplifies labour in washing hogsheads. While washing, two iron chains (ϕ 12×500 mm.) and one kilogram of caustic soda solution (30%) are to be used for every hogshead. The hogshead may be replaced while the machine is running.

Treating capacity (washing inside round surface) ...	5 hogsheads, hr.
Belt pulley: Diameter ...	610 mm.
Width ...	100 mm.
Main shaft: Diameter ...	48 mm.
Speed ...	80 rpm.
Roller: Diameter ...	230 mm.
Width ...	60 mm.
Distance between rollers ...	400 mm.
Number of hogshead washed ...	5 pcs. each operation
Rotation of hogshead ...	31 rpm.
Power required ...	2½ HP.
Overall dimension (L×W×H) ...	5,410×890×644 mm.
Weight ...	Net 1,000 kgs. Approx.

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50X1-HUM

中國運輸機械進口公司

自動軟管灌裝封口機

FULL-AUTOMATIC TUBE FILLING, CLOSING AND SEALING MACHINE

This machine is completely automatic in tube filling, closing and sealing. It is designed to handle a wide variety of materials that can be packed in a tube such as tooth paste, rubber cement, ointments, artists' colours, etc., and is equipped with various devices to insure clean and uniformly filled tubes.

One operator only is required to place the empty tubes in position. The tubes are passed from the filling head to the folding jaws where closure is completed. An automatic ejector then removes the sealed tubes from the carrying cups and transfers them to the conveyor belt, of which height is adjustable. The closure made by this machine is quadruple fold to prevent possible leakage under ordinary room temperature.

The rugged filling mechanism operates on the simple, positive, gear principle. Two gears, when revolving, draw the material down from the hopper and further expel it through nozzle into the tube. The "no tube—no fill" device functions as a sensitive control of the filling mechanism. When there is no tube in the filling position, there can be no discharge.

The motor is housed in the base and mounted on a hinged plate. V-belt and variable speed pulley are equipped. Speed can be easily changed by means of a hand-wheel to maintain maximum production under all operating conditions. Automatic magnetic remote control switch and push-button switch are provided for starting and stopping the machine.

Machine dimension ...	1850 × 1120 × 2440 mm.
Type ...	TPFM
Length of tube ...	140 ± 25 mm.
Diameter of tube ...	22 — 25 mm.
Motor ...	1 HP., 920 rpm, 3-phase, 220/380V.
Machine weight ...	1000 kgs.

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拔 絲 機

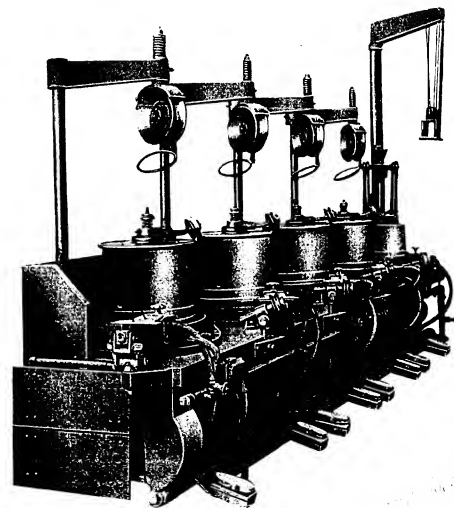
NON-SLIP CONTINUOUS WIRE DRAWING
MACHINE

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WIRE STAND:-

The wire stand is a simple mechanism for holding coiled wire in an inclined position at a convenient working distance for drawing.

OPERATION:-

Take the bottom lead from coil, pass it through pointing roll machine to make wire top slender so that the wire may go through dies of the first block. Grip the wire top by chain wrench and thrust the other end of chain into the block hole. Step on pedal to let the machine run. When the wire has wound around the block about 10 rounds, stop the motion and disconnect chain wrench. Next, the wire passes around the suspension roller, and is then drawn out and pressed again by pointing roll machine to make its end smaller so as to be able to enter the dies chamber of the second block. The same procedure is being repeated until the last block is reached. When wire has accumulated to a certain quantity on the last block, operate hand hoist to lift up the coil and shift it over to the swift stand. For model DSA, each drawing block, attached with pedal, is individually driven by motor; however, models DSB and DSC are by clutch transmission. The drawing speeds of different blocks, from slow to fast, each varies about 30%. To ensure high efficiency, perfect water cooling system is provided for blocks dies chambers. The dies chambers are further filled with soap flakes. During drawing, an electric butt welding machine will join the wire ends together.

SPECIAL FEATURES:-

1. Any required number of blocks up to 7 can be arranged as a simple unit.
2. Each unit is self-contained, every block is individually driven either by a motor or through main shaft and independent clutch.
3. Additional blocks can be added whenever desired.
4. Machine can be divided into sections, and any intermediate block can be easily converted into a finishing block.
5. All gears are enclosed, phosphorous bronze worm wheel and case hardened worm are being adopted for quiet running and durable service.
6. Die boxes are provided with vertical and horizontal adjustments; and blocks and dies with visual control of water cooling.
7. Range of speeds up to 1200 ft./min. is available with bigger motors.
8. Remote control can be incorporated if required.
9. The wire tension is easily controlled. These machines are capable of drawing high tension steel, mild steel, brass, bronze and aluminium (wires)
10. The machine is equipped with collapsible devices for quick release of wire and increased running efficiency.
11. Operation is very simple, even for semi-skilled operative.

Model	Specification	Power required	Last block speed (rpm)	Output with reference to wire gauge (mm, lb. fr.)	Drawing speed of finishing block (m min., ft min.)	Approx weight including parts (m. t.)	Overall dimension excluding parts (mm.)
DSA	No. of blocks - 5 Dia. of blocks - 16" Cir. of blocks - 50.26"	1st block 5 HP. 5th block 6 HP. (380 V, 3-phase, 960 rpm.)	172	#14-#18 1/4 #15-#19 87 #16-#20 85	219 m min. (720.5 ft min.)	Net. 7 m. t.	6300 x 1000 x 1750 mm.
DSA	No. of blocks - 3	1st block 5 HP. 2nd block 5 HP. 3rd block 5 HP. (380 V, 3-phase, 1440 rpm.)	129	#14-#16 155 #15-#17 113 #16-#18 97 #17-#20 47	173 m min. (540 ft min.)	Net. 5 m. t.	4200 x 1000 x 1700 mm.
DSB	No. of blocks - 4 Dia. of blocks - 16" Cir. of blocks - 50.26" Clutch transmitting power	40 HP. (380 V, 3-phase, 960 rpm.)	117	#8-#12 530 #9-#14 235 #10-#14 235 #11-#15 226 #12-#16 181 #13-#17 116	167 m min. (551 ft min.)	Net. 8 m. t.	6000 x 1500 x 1750 mm.
DSC	No. of blocks - 4 Dia. of blocks - 22" Cir. of blocks - 69" Clutch transmitting power	60 HP. (380 V, 3-phase, 960 rpm.)	76	#3-#10 500 (#3-6.5 mm. wire rod) #4-#11 400 #5-#12 200	134 m min. (440 ft min.)	Net. 11 m. t.	7000 x 1600 x 1850 mm.

REMARKS:- The above quoted speeds are low range speeds, speed up to 1000 ft. min. can be obtained with bigger motors.

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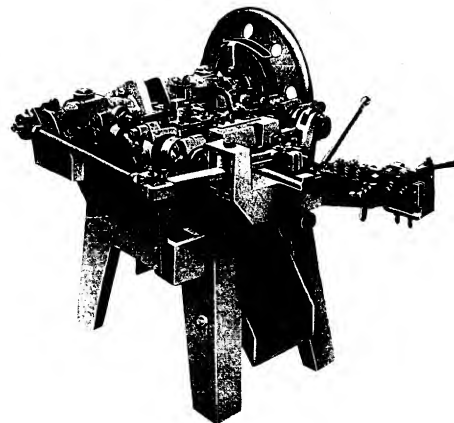
50X1-HUM

自動制釘機
AUTOMATIC NAIL MAKING MACHINE

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WIRE STRAIGHTENING:-

Wire is drawn from a wire coil, which is mounted on the wire stand. One of the chief features is its simple adaptability to wire coil of any diameter and tension. By simply moving the revolving board, the 4 struts of the frame can be automatically adjusted to any required diameter and tension. Pull out locking pin under the frame to enable the latter to bend vertically down; put on the coil, raise up frame, and lock it again with the pin. This will eliminate to a large extent entanglement of wire resulting from quick pullings. Should wire become entangled during drawing, move lever to separate roller and cam (attached to the end of cam shaft) to stop entanglement.

By turning crank shaft in arrow direction, the wire gets straightened as it passes through a train of 8 rollers.

The machine is provided with nail length adjusting bolt.

WIRE FEEDING:-

The wire is held by grip dies and passes through wire guide to the dies chamber containing a movable and a stationary dies. The movable die is capable of sliding left and right by means of the cam to give to wire a proper tension, whereas, the stationary die is equipped with adjusting bolts. Movable die should contact stationary die when the former is being tightened by bolt at the highest strength. Dies should be adjusted according to the diameter of wire, and the centre of dies in alignment with that of the wire; and, for this purpose, a bolt is fitted.

WIRE CUTTING:-

A motor is used to drive through V-belt the crank shaft, which, in turn, actuates the header back and forth through the connecting rod, enabling the punch of the header to strike the wire top forming the nail head. The punch is fastened on header by two bolts, adjustable by special nut. The feeding device forwards wire at regulated length, while two cutters, in line with the wire, point the finished nail, cut it off at right angle, and eject same at each revolution of crank shaft. At the same instant, the shearing device shears off the surplus metal, and the pressing tongue forces the nail out of the machine.

MAJOR FEATURES:-

1. Number of rollers increased from 5 to 8 for better straightening of wire.
2. Shearing device and pressing tongue ensure high efficiency in the production of perfect nails.
3. Operation is simple and easy even for beginners.
4. A safety pin fitted between fly wheel and crank shaft automatically breaks up the wire and instantaneously stops the machine.

Type	Length	Wire	Power required	Speed rpm.	Capacity per./min.	Weight (approx.)	Overall dimensions (L x W x H)	Shipping Measurements
DC 2	3 1/2"-2"	BWG. 12-17	3 H.P. (380 V. 3 phase Motor driven)	1440	400	Net. 855 kg. Gross 950 kg.	1650 x 1050 x 1150 mm.	1650 x 1050 x 1150 mm.
DC 4	2 1/2"-4"	BWG. 8-11	5 H.P. (Line shaft driven)	1440	300	Net. 2000 kg. Gross 2100 kg.	2050 x 1700 x 1200 mm.	2050 x 1750 x 1250 mm.

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鞋釘機

BLUE CUT TACK MAKING MACHINERY
AND
MANUFACTURING PROCESS

Manufacturing Process: Heating the steel bar to a temperature slightly above critical temperature, say around 900 deg. C, and then cooling in the furnace slowly → Removing oxide fragment mechanically by winding over a drum → Pickling by dipping the steel bar into dilute sulphuric acid solution, washing by water, redipping in lime water and then drying by baking so as to prevent further oxidation → Heading by pressing the lead of the steel bar to a smaller dia. enabling to pass through the drawing die → Drawing the bar through dies repeatedly to reduce the dia. to about 1.93 mm for $\frac{3}{8}$ " Tacks or 1.52 mm for $\frac{1}{2}$ " Tacks → Heading, pointing and cutting to complete the form of a Tack automatically by Tack Making Machine → Polishing by barrelling with wood dust → Heating the Tack in an iron furnace to a temperature around 300 deg.C and then cooling in air to make them blue in colour → Packing

Equipments: Necessary and sufficient for manufacturing 5 cwt. of $\frac{1}{2}$ " and 5 cwt. of $\frac{3}{8}$ " Blue Cut Tacks per day of 8 hours.

- (1) ONE Annealing Furnace fabricated with fire bricks.
- (2) ONE Winding Drum for surface cleaning driven by a 10 HP motor.
- (3) Pools and Baking Furnace for pickling.
- (4) TWO Headers for reducing the lead dia. coupled to the same motor driving Wire Drawing Machines.
- (5) THREE Wire Drawing Machines driven by 3 motors, 1 of 40 HP and 2 of 30 HP each.
- (6) FORTY TWO Tack Making Machines driven by 2 motors of 15 HP each.
- (7) THREE Barrels for polishing of Tacks driven by a 10 HP motor.
- (8) ONE Heating furnace driven by a 2 HP motor.

Production Data: The principal machine is Tack Making Machine, therefore control of the production of this machine is most important. According to user's yearly experience, single machine will produce about 48 lbs. Tacks of $\frac{3}{8}$ " or 24 lbs. Tacks $\frac{1}{2}$ " per day of 8 hours. But for safety sake we suggest 42 Machines to satisfy your required production as the machine will be at a standstill for replacement of wearing parts or due to other troubles. All other equipments are arrangeable to mesh the production of Tack Making Machines.

Labourer: Consulting with expert, about 38 labourers should be employed in each plant including one engineer and one mechanic. Because the Tack Making Machine is automatic, a skillful labourer can operate 3 machines at same time and a green hand will become skillful after few months' training.

Ground Space: The Tack Making Machine has an overall dimension of about 4'x4'x3' and the whole plant will occupy a ground space about 2000 square meters.

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單扳手及雙扳手噴花槍
SINGLE-TRIGGER AND DOUBLE-TRIGGER
SPRAYING GUN

This is a new and improved type of spraying guns of single finger and double finger trigger. The sprayed surface and the fineness of the mist is adjusted through the nozzle trigger and distance applied. It will operate on air pressure from 30 to 40 lbs. depending upon density of liquid to be sprayed.

It has a wide range of application, and may, therefore, be used for spraying varnish colors, enamel as well as various other kinds of fluids on metal, caskets, novelties, toys, and rubber shoes.

Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with a paint nozzle of 1.2 mm, other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

中國運輸機械進口公司

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大型馬達噴漆槍 TYPE No. 1 SPRAYING GUN

This is a new and improved type of spraying guns of high quality. It is good for spraying varnish to cover large surface. The gun can be adjusted by an adjusting wheel, for spraying round and flat form objects. Depending upon density of liquid to be sprayed, it will operate on air pressure from 70 to 80 lbs.

It has a wide range of application, and may, therefore, be used for spraying AUTOMOBILES, DECORATIVE WORKS, AND MACHINERY.

Its standard equipment is 20 lbs. aluminium jar. This gun is supplied with a paint nozzle of 1.85 mm.

The cleaning is easy. Don't disassemble the parts. BEWARE CASUAL LEAKAGE.

二號噴花槍 TYPE No. 2 SPRAYING GUN

The spraying gun of type No. 2 is finer than that of Single & Double Finger Trigger Spraying Gun. Size of spray is adjustable. It operates on air pressure from 30 to 40 lbs.

It is used extensively by poster artists, architects, and decorators by reason of its all-round properties for paint-spraying of large and small areas. Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with paint nozzle of 1.2 mm. Other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

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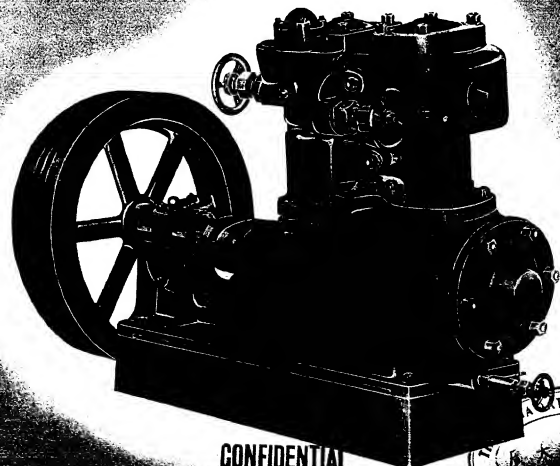
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氨壓縮機

Ammonia
COMPRESSOR



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50X1-HUM

AMMONIA COMPRESSORS

MODEL 2 AV-76 & MODEL 2 AV-100

Model 2 AV-76 As Illustrated on Front Cover

Model 2 AV-100 Similar in Appearance

SPECIFICATIONS

	Model 2 AV-76	Model 2 AV-100
Type	Vertical 2 Cylinder	Vertical 2 Cylinder
Bore	76 mm	100 mm
Stroke	76 mm	100 mm
Rated Speed	400 rpm	400 rpm
Suction Pipe Connection	20 mm ($\frac{3}{4}$ ")	25 mm (1")
Discharge Pipe Connection	15 mm ($\frac{1}{2}$ ")	20 mm ($\frac{3}{4}$ ")
Power Required	3.75 KW (5 HP)	7.5 KW (10 HP)
Shipping Weight	400 kgs. approx.	570 kgs. approx.
Shipping Measurements	100×70×75 cm approx.	130×79×93 cm approx.

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

Compressor Frame :	High Grade Cast Iron. Cylinder and Base with Crank Case cast in two separate pieces, to facilitate dismantling.
Crank Shaft	Forged Steel.
Connecting Rod :	Cast Steel, with renewable Bronze Wrist Pin Bushing and Crank Pin Bearing.
Piston :	Double Trunk Type, giving cross-head effect.
Suction Valves :	Poppet Type, located on top of Pistons.
Discharge Valves:	Plate Type, located in the Safety Head, providing protection against excessive pressure.
Lubrication :	Splash Type.
Valve Manifold :	Equipped with Suction & Discharge Shut-Off Valves, Safety By-Pass Valve & Suction Screen.
	Model 2AV-100 is additionally equipped with By-Pass & Pump-Out Valves.

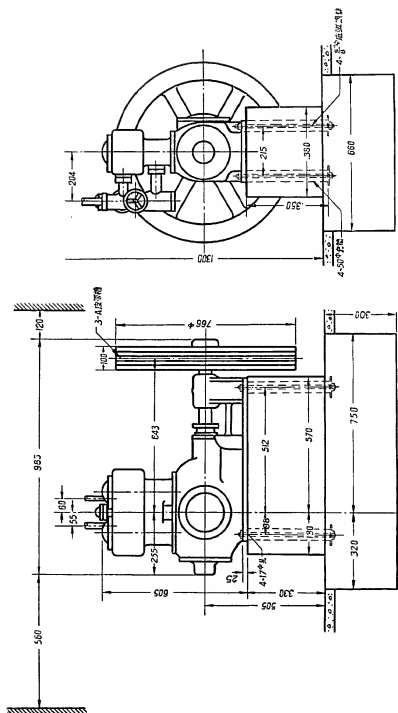
CAPACITY TABLE

Ammonia Condensing Temperature	35°C	35°C	35°C	35°C	35°C
Ammonia Evaporating Temperature	-15°C	-10°C	-5°C	0°C	+5°C
Capacity Kilo-Calories/Hour					
Model 2AV-76	5900	7400	9100	11000	13500
Model 2AV-100	13650	17100	21000	25600	31100

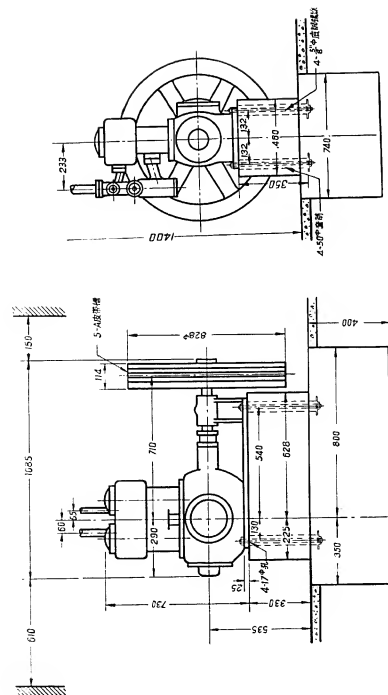
REFRIGERATING CAPACITY IN TONS may be estimated by the formula :

1 Ton Refrigerating Capacity=3000 KCal/Hr. approximately

PERFORMANCE CURVES will be supplied upon request.



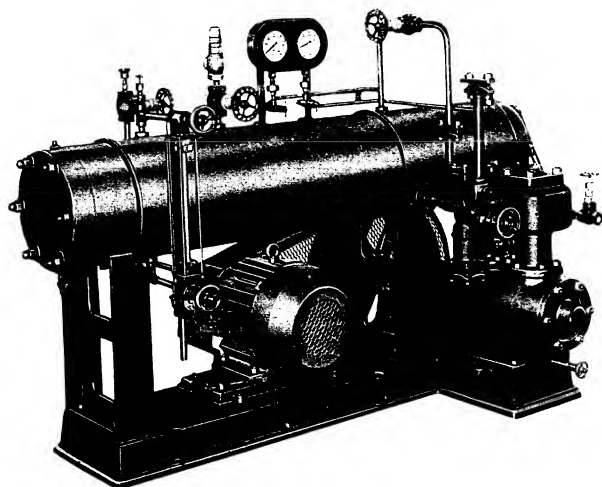
GENERAL DIMENSIONS of Model 2 AV-76



GENERAL DIMENSIONS of Model 2 AV-100

MODEL 2 AV-76U AMMONIA SELF-CONTAINED REFRIGERATING MACHINE

Ammonia Compressor Model 2 AV-76 Supplied as
A Refrigerating Machine Unit



GENERAL DESCRIPTIONS

The Machine consists of Ammonia Compressor Model 2 AV-76, Condenser, Motor, V-Belt Drive & Belt Guard all on a rigid cast iron common base, convenient both for installation and operation.

It is also equipped with two Pressure Gauges and one set of Connecting Pipes & Fittings.

AMMONIA COMPRESSOR MODEL 2AV-76 : as illustrated and described in the preceeding pages of this catalog.

AMMONIA CONDENSER : Horizontal Shell & Tube Type, 330 mm outside diameter, 1959 mm length between two tube sheets with 24 steel tubes of 32 mm outside diameter, having a total condensing surface of 3.64 square meter, equipped with :

- Ammonia In-And-Out Stop Valves
- Liquid Level Indicator
- Safety Valve
- Oil Drain Valve
- Oil Purger

MOTOR : 3 Phase Induction Type, 3.75 KW (5 HP), 1450 rpm, 380 volt, 50 cycle, complete with Protecting Switch. Motor of other electrical characteristics may be supplied according to consumer's requirements.

SHIPPING WEIGHT AND MEASUREMENTS : (Approximate Figures)

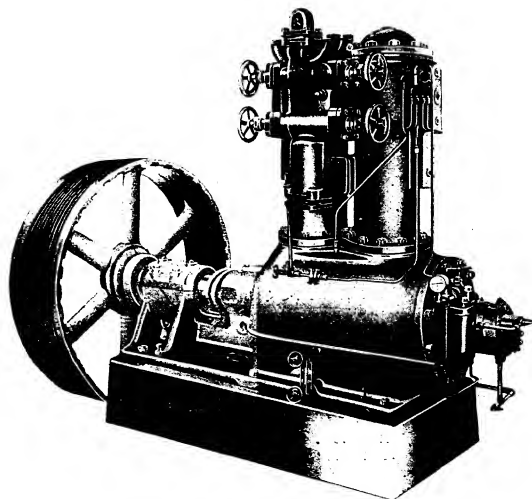
1200 Kgs. & 200 x 125 x 145 cm respectively

PARTICULARS

For Model 2 AV-100U Ammonia Self-Contained Refrigerating Machine
will be supplied upon request

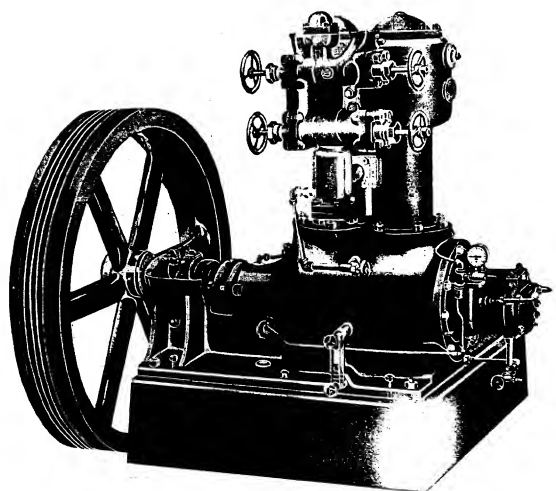
AMMONIA COMPRESSOR

MODEL 2 AV-230



AMMONIA COMPRESSOR

MODEL 2 AV-165



AMMONIA COMPRESSORS

MODEL 2 AV-165 & MODEL 2 AV-230

SPECIFICATIONS

	Model 2 AV-165	Model 2 AV-230
Type	Vertical 2 Cylinder	Vertical 2 Cylinder
Bore	165 mm	230 mm
Stroke	165 mm	230 mm
Rated Speed	360 rpm	300 rpm
Suction Pipe Connection ...	50 mm (2")	80 mm (3")
Discharge Pipe Connection	40 mm (1½")	50 mm (2")
Power Required	30 KW (40 HP)	60-75 KW (80-100 HP)
Shipping Weight	1600 kgs. approx.	3500 kgs. approx.
Shipping Measurements ...	190×131×134 cm approx.	250×135×195 cm approx.

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

Compressor Frame :	High Grade Cast Iron. Cylinder and Crank Case cast in two separate pieces, to facilitate dismantling.
Crank Shaft :	Forged Steel, drilled with oil passage for force feed lubrication to the main bearings, crank pin and wrist pin bearings.
Connecting Rod :	Cast Steel, with renewable bronze wrist pin bushing and crank pin bearing.
Piston :	Double Trunk type, giving Cross-head effect.
Suction Valves :	Multiple Poppet type, located on top of Pistons and fitted with cushion spring in cushion nut.
Discharge Valves :	Multiple Poppet type, located in the Safety Head which is designed to lift in case of any unusual pressure. Valves provide large area for low velocity gas flow.
Lubrication :	Force Feed Lubrication. Circulation by a Gear Pump at the end of crank shaft through cartridge type Oil Filter to cylinder walls and all bearings with the exception of outboard bearing which is oiled by two oiler rings carrying oil from the reservoir.
Valve Manifold :	Equipped with Suction & Discharge Shut-off Valves, By-pass & Pump Out Valves, Safety By-pass Valve & Suction Screen.

CAPACITY TABLE

Ammonia Condensing Temperature	35°C	35°C	35°C	35°C	35°C
Ammonia Evaporating Temperature	-15°C	-10°C	-5°C	0°C	+5°C
Capacity Kilo Calories/Hour					
Model 2AV-165	57000	71700	88000	106500	130500
Model 2AV-230	137500	172000	213000	256000	312000

NOTE : For Model 2AV-230

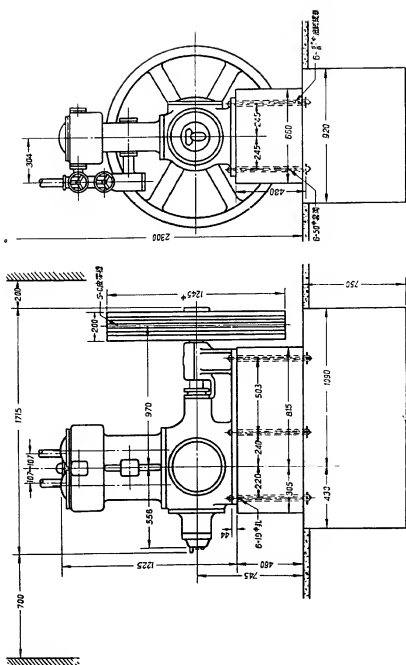
Power Required for the 1st 3 ranges : 60 KW (80 HP)

Power Required for the last 2 ranges: 75 KW (100 HP)

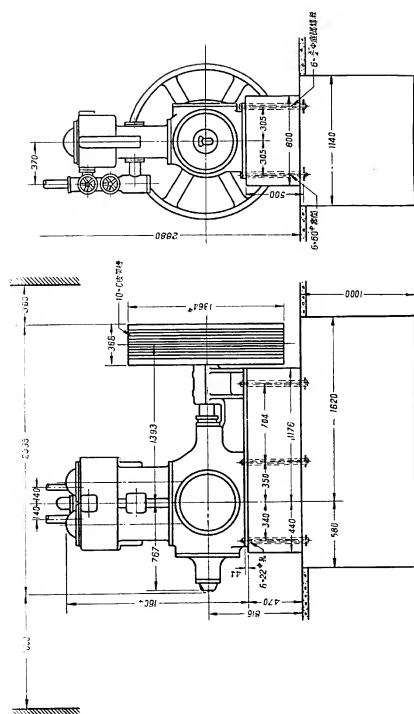
REFRIGERATING CAPACITY IN TONS may be estimated by the formula :

1 Ton Refrigerating Capacity = 3000 KCal/Hr. approximately

PERFORMANCE CURVES will be supplied upon request.



GENERAL DIMENSIONS of Model 2 AV-165



GENERAL DIMENSIONS of Model 2 AV-230

AMMONIA COMPRESSORS

Fields of Application:

Cold Storage
Ice Factory
Ice Cream Plants
Bakeries
Dairies
Breweries & Beer Depots
Meat & Fish Markets
Slaughter Houses
Textile Mills
Oil Refining Works
Chemical Plants
Theatres, Auditoriums,
Hospitals, Hotels, Apartments
Office Buildings And So On

Further Technical Data
& other Information
will be supplied upon request

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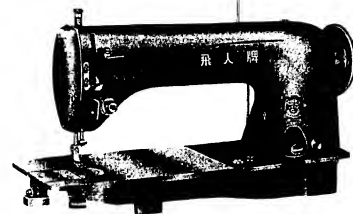
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工業用縫紉機
INDUSTRIAL SEWING MACHINE
CONFIDENTIAL


中國運輸機械進口公司
NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS
HSIEHCHAO PEKING CHINA CABLE ADDR: TIANSHIGH PEKING

50X1-HUM

工業用縫紉機
LOCKSTITCH SEWING MACHINE
"FLYING MAN" MODEL 61300



This machine can be used advantageously in blanket factories, underwear factories, knitting mills and clothing factories for sewing cotton or woolen under-wears and outer-wears.

Constructed for two-thread lockstitch sewing, the main shaft runs at a very high speed of about 4000 stitches per minute, power being transmitted by canvas laminated bakelite gears ensuring smooth and silent running.

The essential working parts are heat treated and precision ground thereby minimizing friction and wear, so that these parts are very durable.

By means of automatic lubrication, oil is continuously fed into the essential working parts so that the machine has a long serviceable life. An oil level gauge is provided for frequent inspection of the oil contents. The oil can be changed once every six months of continuous operation.

The machine is equipped with thread take-up and knee-press for raising presser-foot.

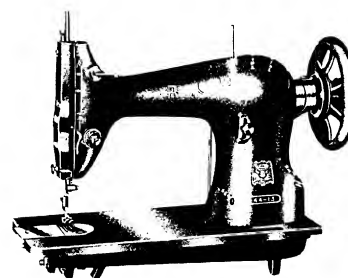
Length of stitch ... 4.5 mm.
 Maximum sewing speed ... 4000 stitches per minute
 Thickness of material sewn ... 5 mm.
 Working space under arm ... 275 × 110 mm.
 Overall dimension ... 510 × 20 × 290 mm.
 Power required ... 1/4 HP
 Stands ... Electric or treadle drive

Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
1 set Head	30 kgs.	42 kgs.	66 · 35 · 42
1 set Table and Stand	68 kgs.	113 kgs.	134 · 72 · 92

雙線連鎖縫紉機 CENTRAL BOBBIN SEWING MACHINE (WITH OSCILLATING SHUTTLE)

"FLYING MAN" MODEL 44-13



This is an indispensable machine for industrial use. The maximum speed is about 2,200 stitches per minute. Aside from sewing light and medium weight fabrics, it also sews heavy weight materials such as canvas, leather, etc., and is especially suitable for mass production.

The machine shows the most judicious use of materials to resist strain and secure absolute stability. All running parts are carefully balanced so that there is no vibration to cause unusual wear of parts.

The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

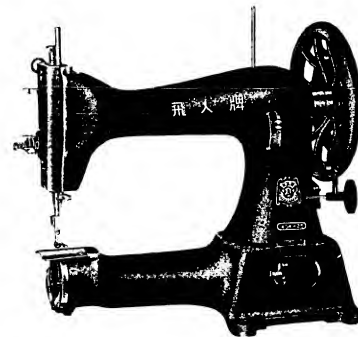
Length of stitch ... 4.5 mm.
 Maximum sewing speed ... 2200 stitches per minute
 Thickness of material sewn ... 5 mm.
 Working space under arm ... 265 × 145 mm.
 Power required ... 1/4 HP
 Stand ... Treadle or Power

Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
2 sets Head	39	49	55 × 45 × 43
2 sets Table and Stand	70	86	101 × 76 × 33

工業用縫紉機 CYLINDER ARM SEWING MACHINE

"FLYING MAN" MODEL 45 K 25



This machine is strongly built and specially designed for the manufacture of heavy canvas sacks, leather shoes and leather goods, etc. It makes a long, firm and tightly drawn lock-stitch.

The machine is fitted with a large cylinder shuttle of oscillating type, light running and easy to operate by treadle drive in which case it can be provided with a heavy balanced two-speed driving wheel to ensure great penetrating power and to permit change of the sewing speed to adapt it for various kinds of work. For use on power bench, the machine can be fitted with a knee press by which the presser foot can be raised while the operator's hands are engaged.

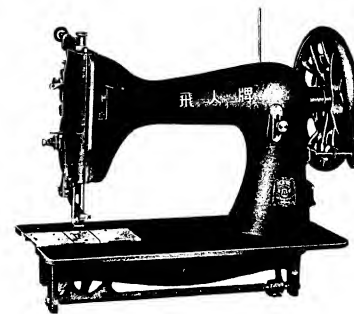
Length of stitch ... 7 mm.
 Sewing speed ... 350-1000 stitches per minute
 Thickness of material sewn ... Leather 10 mm.
 Working space under arm... 275 x 185 mm.
 Overall dimension (L x W x H)... 530 x 270 x 480 mm.
 Power required ... 1.2 HP.
 Stand ... Treadle or power

Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
1 set Head	35	52	67 x 39 x 62
1 set Table and Stand	60	84	135 x 72 x 31
1 set Wheel	10	20	44 x 37 x 40

工業用縫紉機
 LOCKSTITCH SEWING MACHINE

"Flying Man" Model 45K50



Model 45K50 embodies the latest improvement in design. Its sturdy construction ensures durability and long serviceable life. All moving parts, made of high grade steel, are hardened and precision ground.

The machine is especially suitable for sewing heavy canvas or leather goods, as used in the manufacture of wagon covers, sails, heavy sacks, upholsteries, leather belts and other leather handicrafts.

It is fitted with an exceptionally large cylinder shuttle of the oscillating type having a bobbin of great thread capacity which feature makes the machine specially adaptable for mass production.

This model is in all respects same as Model 45K25 except that it is fitted with a vibrating presser. In this form of presser, the presser foot moves forward at each stitch in unison with the feed, rises and automatically returns to its former position, thus ensuring a uniform and perfect feed when stitching fabrics of uneven or adhesive surfaces. It is also particularly effective when stitching materials are liable to pucker such as book binding, etc. The machine sews with a long, firm and tightly drawn lockstitch.

Being light running, the machine can be easily operated by foot in which case it is supplied with a treadle drive stand and a two-speed drive wheel for regulating the sewing speed. For mass production, the machine can be supplied with an electric drive stand and a knee press by which the presser foot can be raised while the operator's hands are engaged.

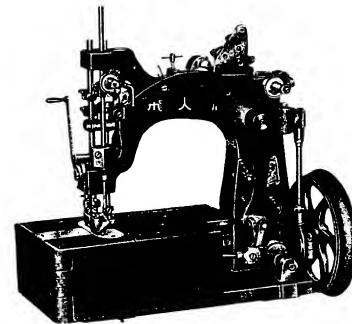
Length of stitch ... 12 mm.
 Sewing speed ... 350—1000 stitches per minute
 Thickness of material sewn ... 12 mm.
 Working space under arm ... 275×185 mm.
 Power required ... ½ HP

Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
Head	40	62	70×36×58
1 set Table and Stand	62	86	135×84×27

縫袋用縫紉機 BURLAP BAG SEWING MACHINE

"Flying Man" Model 124



This is the most powerful machine for making bags from burlaps and other heavy weight fabrics. It sews the bags either with single thread or two-thread chain stitch producing strong seams.

The machine is fitted with a positive drop feed and two separately hinged compensating presser feet, which ensure its successful operation on all grades of bag materials. This arrangement is particularly effective when hemming bags, as one of the presser feet rests upon the hem while the other rests on the body of the bag, each foot yielding independently according to the thickness of the work being sewn. A knee press for raising or lowering the presser feet is provided with each machine, enabling operator to use both hands in manipulating the work.

For convenience in threading the looper and to facilitate the making of adjustments, the front portion of the cloth plate is hinged so that it can be turned aside to permit easy access to the mechanism in the bed of the machine.

The machine is provided with an iron base which receives the dirt and surplus oil, thus helping to prevent the bags from becoming soiled while they are being sewn.

Length of stitch ... 12 mm.
 Maximum sewing speed ... 1800 stitches per minute
 Working space under arm ... 85×70 mm.
 Overall dimension (L×W×H) of sewing head ... 300×360×260 mm.
 Thickness of material sewn ... 8 mm.
 Power required ... 1 HP
 Efficiency (approx.) ... 500 bags per working hour
 Overall dimension of machine with Conveyor
 (L×W×H) ... 1200×1200×2000 mm.

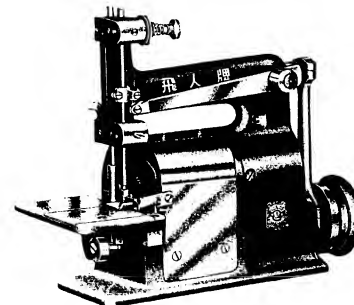
Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
1 set Head	19	25	44 × 32 × 46
1 set Head and Conveyor	529	765	158 × 135 × 183

鎖邊縫紉機

OVERLOCK STITCH SEWING MACHINE

"Flying Man" Model 18



Model 18 is a single thread overlock sewing machine for seaming, overedging or hemming work on all kinds of materials. It is specially adaptable for overedging woolen blankets.

The constructional features are compactness, easy threading, accessibility to moving parts and improved lubricating system. The pitch of the stitches can be adjusted from 2 to 6 mm by changing the cam.

The length of stitches can be adjusted up to 12 mm so that thick blankets can be seamed as desired. The sewing speed can be as high as 1200 stitches per minute enabling trained operators to overedge woolen blankets of normal size at a rate of 30 pieces per hour.

Length of stitch ... 12 mm.
 Maximum sewing speed ... 1200 stitches per minute
 Maximum pitch of stitches ... 6 mm.
 Overall dimension (L×W×H) ... 300×136×255 mm.
 Power required ... 1 HP

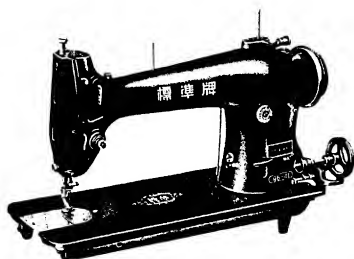
Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
Head	12.5	20	35 × 18 × 29

電動襪襟機

LOCKSTITCH SEWING MACHINE

"Typical" Model 96-41



Model 96-41 is a single needle industrial machine for sewing with a straight lock-stitch. The shuttle is driven by gears and provided with a reversible feed.

When operating at the highest speed, the machine runs smoothly without appreciable vibration. All components are made of first grade materials, the moving parts being of heat treated steel. The machine is suitable for weaving mills or uniform factories, and for manufacture of shirts and underwears.

The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

Length of stitch ... 4 mm.
Maximum sewing speed ... 2500 stitches per minute
Working space under arm ... 265 x 165 mm.
Thickness of material sewn ... 7 mm.
Power required ... 1/2 HP

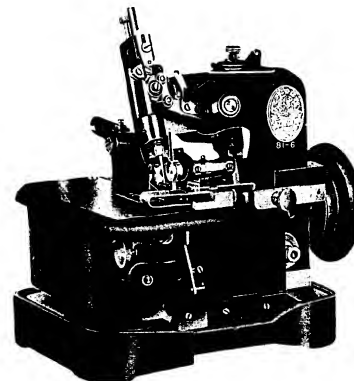
Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
Treadle Stand	55	83	164 x 103 x 69
Head	23	33	62 x 28 x 46

電動包縫機

THREE-THREAD OVERLOCK SEWING MACHINE

"TYPICAL" MODEL 81-6



This machine is fitted with auxiliary feed and trimmer, and is specially made for sewing fabrics, hosiery or light materials. The machine produces elastic chain stitch and is also designed for TRIMMING, OVEREDGING and BLIND STITCH HEMMING or WELTING, these can be done in a single operation.

Apart from the foregoing, this machine has made possible, quality production, high-speed and low operating costs to a degree greater than ever before. It is easy to handle, simple to adjust, sturdy in design, accurate in workmanship and is readily adapted to many kinds of work.

Length of stitch ... 3.6 mm.
 Maximum sewing speed ... 3000 stitches per minute
 Sewing width ... 1.5—5 mm.
 Thickness of material sewn ... 5 mm.
 Needles ... System (81 × 1)
 Power required ... $\frac{1}{4}$ HP.

Packing Information

Contents	Approximate Weight (kgs)		Approximate Measurement (cm)
	Nett	Gross	
1 set Head	18	27	52 × 36 × 40

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"TANK"
Hard Candy Machine
水首糖机



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16/5/57

中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
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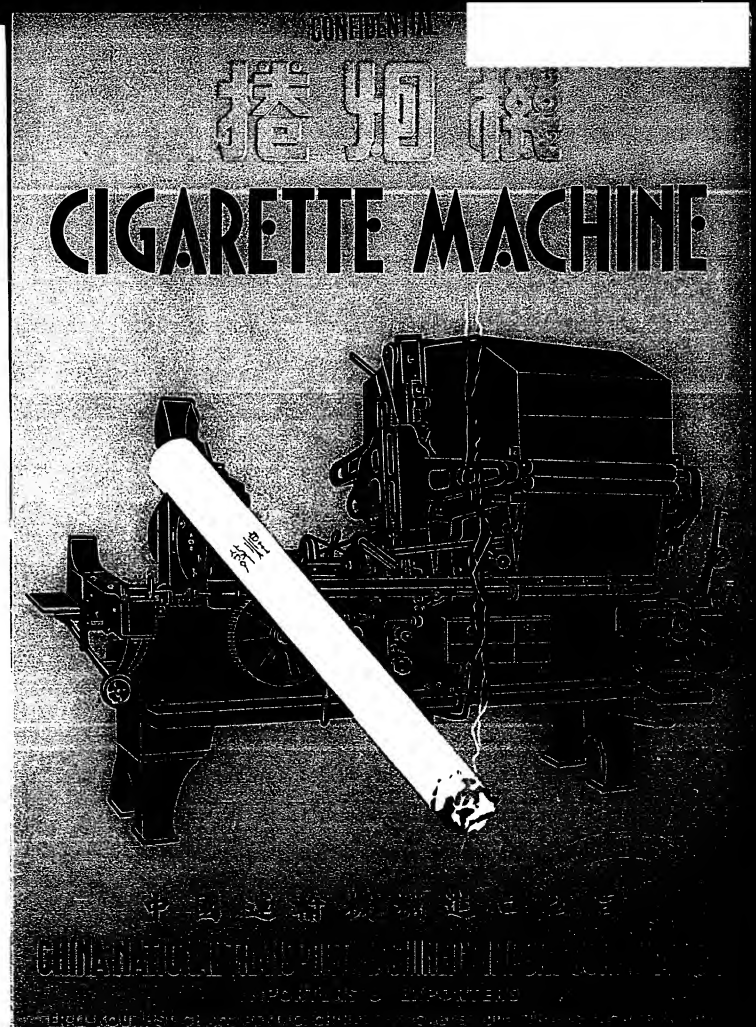
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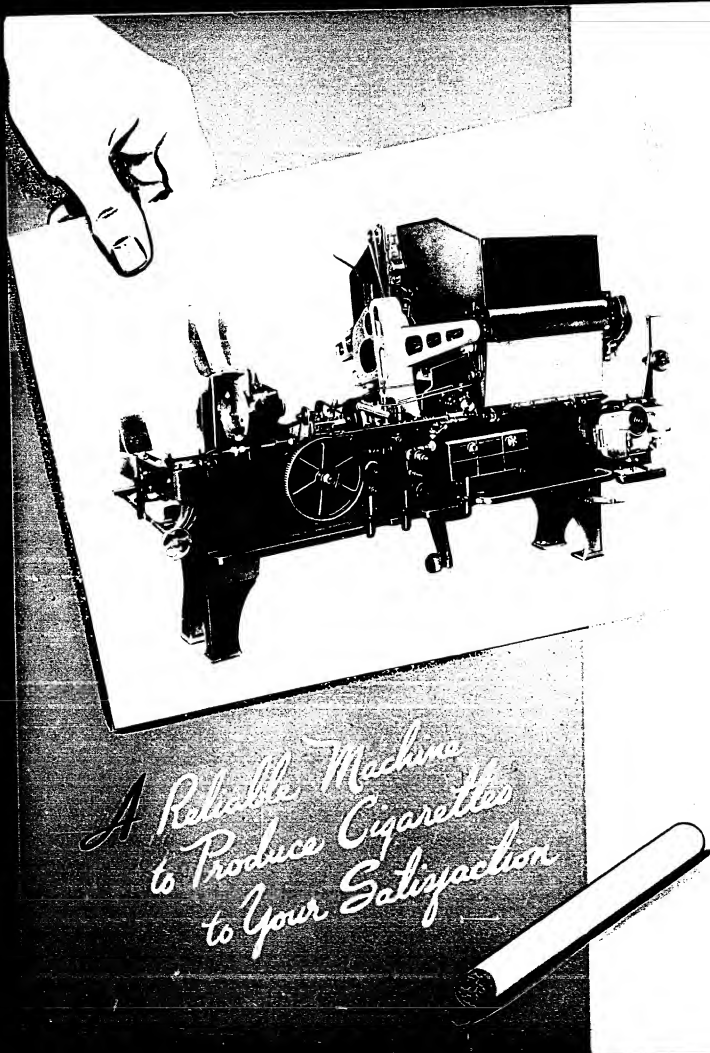
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This robust and durable candy machine is designed for making different kinds of fruit drops for confectioners. It can be driven either manually or by means of motor.

Granulated sugar is first melted and formed into a sugar strip and then fed into this machine to be compressed by moulds into the finished fruit drop candies. With different forms of moulds and attachments, the machine is capable of producing candies in different forms and shapes.

Output from Granulated Sugar	...	...	...	...	...	Hard candy 30 kgs./hr.
Diameter of Mould	...	...	...	...	...	10—30 mm.
Main Shaft Speed	...	...	...	...	...	200 rpm. (motor driven)
Power Required	$\frac{1}{2}$ H.P.
Weight	Net 65 kgs. Approx.
Shipping Space (L×W×H)	630×530×450 mm. Approx.

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*A Reliable Machine
to Produce Cigarettes
to Your Satisfaction*

捲 煙 機

"NEW CHINA" CIGARETTE MACHINE

Type: High speed automatic drive with oil pump lubrication.

Construction: In this machine tobacco is wrapped by paper, pasted, dried and cut in regular lengths to form cigarettes. Its main components are:

Leaf arranging device,
Printing box,
Paste container,
Electric heater,
Drive spindle with cutting knife &
Conveyer.

Production: This machine will produce 1000 cigarettes per minute. About 80 to 90 kgs of tobacco are required to produce 50000 cigarettes.

Power required: 3 H.P. motor, 1450 rpm, 50 cycles.

Space occupied: length 10' x width 6' x height 7'

Packing dimension: 1 case 10'6" x 3'6" x 5' approximately
1 case 6'6" x 5' x 7'6" ..

Total weight: Net 2500 kgs; Gross 3100 kgs. approximately

Particulars of the following various auxilliary machines for cigarette manufacturing will be supplied upon request:

- a) Tobacco Cutting Machine with 10" knife
- b) Tobacco Cutting Machine with 16" knife
- c) Stalk Crusher (or Stem Flattening Machine)
- d) Cigarette Carton Machine
- e) Automatic Wrapping Machine
- f) Packing Machine
- g) Knife Grinder
- h) Tobacco Drying and Cooling Machine
- i) Tobacco Recovering Machine for Waste Cigarette
- j) Leaf Moistening Machine
- k) Leaf Drying Machine
- l) Casing Cylinder (in which the tobacco is given moisture and spices).

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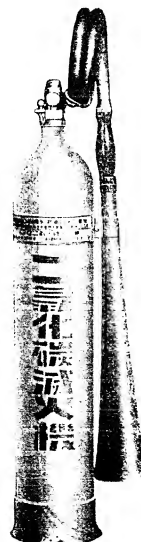
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Cable Address: TRANSMACH Canton

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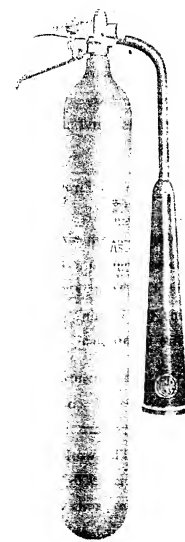
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50X1-HUM

BTB 型 二 氧 化 碳 滅 火 機
TYPE BTB CO₂ FIRE EXTINGUISHER



NO. 8-15



NO. 4-6

中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS
ER-LI-KOU, HSI-CHAO, PEKING, CHINA. CABLE ADDRESS: TRANSMACH PEKING

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16/5/51

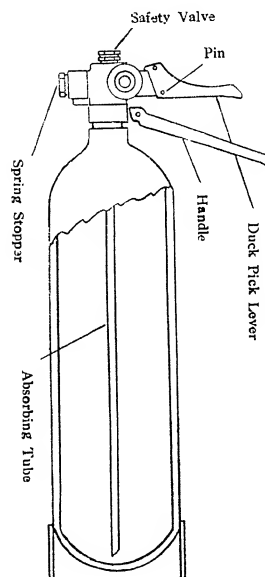
TYPE BTB CO₂ FIRE EXTINGUISHER

CO₂ is a colorless gas, specific gravity: 1,254; boiling point: -78,5°C; critical temperature: 31,35 °C; critical pressure: 72,9. At 36% atmospheric pressure and below 0°C is liquid in form. CO₂ is inert gas, harmless to both equipments and machineries and also non inductive.

Efficiency of Type BTB CO₂ Fire Extinguisher:

CO₂ forms a partition between air and fire, which prevents oxygen from approaching the burning objects. Due to its strong cooling effect, weakens the burning point and exterminates the fire all at once.

CO₂ is stored in the high pressure resisting steel cylinder by process of compression, while the cylinder's pressure resistance is 211 kgs per sq. cm. The working pressure in the cylinder is 900-1100 lbs. When CO₂ is released, it expands vigorously up to 450 times stronger, and absorbs enormous heat forming snowy and foggy manner, therefore, the temperature drops to 79°C. below 0°C. By discharging CO₂ to the fire district the temperature of the blaze will be much weakened. In case the volume of the CO₂ is under 0°C, it will become liquefaction at the pro rata of 36-38% atmospheric pressure, fire will certainly be exterminated. Inasmuch as such particular effect, this type of fire extinguisher is most suitable for indoor use.



Packing:

Type BTB	Approximate Weight		Case Containing	Approximate Measurement
	N/W	G/W		
No. 4	8,6 kg	23,2 kg	2 pcs	24 6/8"X11-6/8"X8"
No. 6	12,4 kg	34,8 kg	2 "	33"X11"X8"
No. 8	17 kg	46,6 kg	2 "	29"X15-5/8"X11"
No. 10	21,6 kg	55,8 kg	2 "	29"X15-5/8"X11"
No. 12	23,2 kg	33,2 kg	1 pc	36"X8"X11"
No. 15	28 kg	38 kg	1 "	36"X8"X11"

Numbers of Type BTB CO₂ Fire Extinguisher:

No. 2; No. 4; No. 6; No. 8; No. 10; No. 12; No. 15;

Construction of Type BTB CO₂ Fire Extinguisher:

Type BTB CO₂ Fire Extinguisher is made of seamless steel pipe, being heat treated, No. 8 and above are fitted with high pressure steel wired rubber tubes, while No. 6 and under are fitted with rubber coated copper tubes. A rubber Horn is connected to one end of the tube. The mouth of the steel Cylinder is equipped with copper-aluminium alloy Duck-Pick Lever, operating the open and close of the valve. A copper Absorbing Tube is fitted in the center of the Cylinder. By means of operating the Duck-Pick Lever, it allows the CO₂ pass up to the Horn through the Absorbing Tube when used in emergency. The purity of CO₂ in the steel Cylinder is 90% up.

Purpose of Type BTB CO₂ Fire Extinguisher:

Suitable for oil and fat, machines and valuable articles, also with high efficiency to indoor fire accidents. As a matter of safe protection, vehicles, aircrafts, trains, steamers, electrical equipments, oil storages, chemicals, warehouses, valuable machine parts, and instruments should be provided with Type BTB CO₂ Fire Extinguishers.

Operation of Type BTB CO₂ Fire Extinguisher:

Pull out Pin. Remove Horn. Squeeze Duck-Pick Lever to open valve pointing to fire spot. The nearer the better the CO₂ Fire Extinguisher is thrust to the surrounding of the fire and spray gradually to the center. Any moment the Duck-Pick Lever is released, valve shuts up instantly and operation ceases. Do not discharge spray against wind. Right after the indoor operation, pay great attention to house ventilation.

Maintenance and inspection:

Inspect every two months. Weight should correspond with the figure as stamped on the Cylinder. Test the Cylinder in every two years by water pressure 211 kg per sq. cm., and Duck-Pick Lever 70.34 kg per sq. cm.

Always place the CO₂ Fire Extinguisher under temperature of 42°C so as to avoid explosion and loss of CO₂. Do not expose the CO₂ Fire Extinguisher in the moist place, which usually corrods metals. Careful handling and not to bump. Protect Duck-Pick Lever and Horn with all cares.

TYPE BTB CO₂ FIRE EXTINGUISHER:

Type BTB	Discharging Distance	Duration	Weight of CO ₂
No. 2	1 m	5 10 seconds	0.81 1.01 kgs
No. 4	1.2 m	10 14 "	1.66 1.96 "
No. 6	1.8 m	14 20 "	2.52 2.92 "
No. 8	1.9 m	20 30 "	3.43 3.83 "
No. 10	1.9 m	25 30 "	4.34 4.74 "
No. 12	1.9 m	30 40 "	5.24 5.64 "
No. 15	2 m	35 45 "	6.6 7.00 "

Outstanding Features:

Type BTB CO₂ Fire Extinguishers are filled with gas, different from bubbling liquid carbon tetrachloride liquid extinguishers. After discharging performance no damage whatsoever would be caused to articles. Can resist rigid coldness. Needless to recharge once a year as those of the foregoing mentioned extinguishers.

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REPRESENTED IN BERLIN BY
CHINA NATIONAL IMPORT & EXPORT CORPORATION
LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

BRANCHES

TIENTSIN OFFICE: 171 CHIEN'SHIEH ROAD (HO SI DISTRICT)
CABLE ADDRESS: TRANSMACH TIENTSIN

SHANGHAI OFFICE: 27 CHUNG SHAN ROAD E1
CABLE ADDRESS: TRANSMACH SHANGHAI

CANTON OFFICE: 25 TAI PING ROAD SOUTH
CABLE ADDRESS: TRANSMACH CANTON

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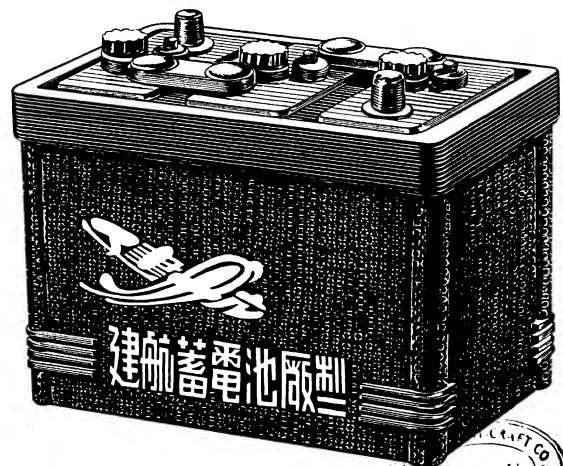
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建航牌蓄電池

50X1-HUM

Storage Battery

Kin Hong



中國運輸機械進
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADD: TRANSMACH - PEKING

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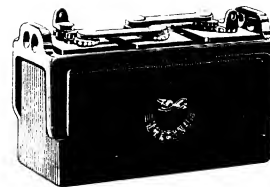
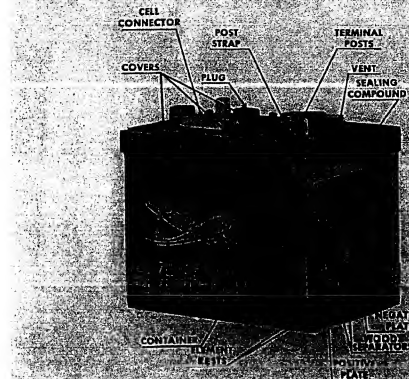
我公司經售之“建航”牌蓄電池是完全選用上等原料所製成，品質優良，電力強大，容量準確，壽命特長，已為用家所普遍歡迎。

“建航”牌蓄電池規格繁多，本目錄所列者只是通常所用之各種規格以供採用；此外對於本目錄未有列入之各種規格，只要惠寄圖樣，說明規格，我公司就可以按照要求承接定製。

The “Kin Hong” Brand Storage Battery exported by our Corporation is made of perfectly superior materials. Best quality! Strong power! Correct capacity! Long life! It is widely welcomed by all users.

There are many specifications of “Kin Hong” Brand Storage Battery and the various specifications stated in this Catalogue are those being commonly adopted. Besides, regarding the various specification not listed in this catalogue, we are pleased to have the esteemed orders and manufacture in compliance with the customers' requirements according to their drawings and illustrative leaflets of the detailed specifications favoured to us.

BATTERY CONSTRUCTION



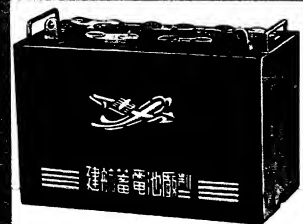
STORAGE BATTERY MODEL VESSEL



STORAGE BATTERY MODEL VESSEL



STORAGE BATTERY MODEL VESSEL



STORAGE BATTERY MODEL VESSEL



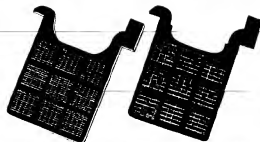
STATIONARY STORAGE BATTERY



STATIONARY STORAGE BATTERY



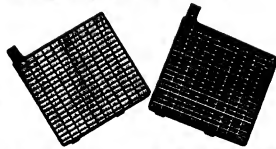
STATIONARY STORAGE BATTERY



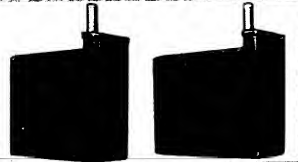
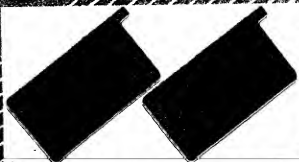
PLATES FOR STATIONARY STORAGE BATTERY



PLATES FOR STATIONARY STORAGE BATTERY



HS POS. AND NEG. PLATES



汽車用蓄電池 STORAGE BATTERY FOR AUTOMOBILE

This Storage Battery is Suitable for use in starting machine of various Automobiles, Trucks and Tractors.



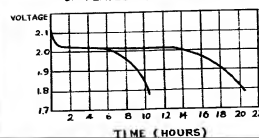
SPECIFICATIONS OF STORAGE BATTERY FOR STARTING MACHINE

Models	Volts Volts	Per Cell Number of plates	20 hour Discharge Rating in Ampere hour Standard Capacity (Temperature of Electrolyte 20°C)	Minimum Voltage Allowed to be Discharged Volts	Overall Measurements (MM)			Approx. Net Weight (Kgs.)
					Length	Width	Height	
MS MODEL 3-91	6	15	91	5.4	239	175	200	11.9
MS MODEL 3-104	6	17	104	5.4	260	175	195	12.5
MS MODEL 3-117	6	19	117	5.4	278	175	195	12.8
MS MODEL 3-130	6	21	130	5.4	306	175	204	12.4
HS MODEL 3-154	6	23	154	5.4	326	175	204	13.5
HS MODEL 6-126	12	19	126	10.8	515	220	210	4.47
HS MODEL 6-140	12	21	140	10.8	515	220	210	4.57

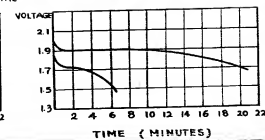
CAPACITY AND MEASUREMENT OF PLATE FOR STARTING MACHINE

Plates Models	Measurement of Plates (MM)			Capacity for Each Positive Plate (Electrolyte Temperature 20°C)							
	Height	Width	Thick- ness	20-hour Dis- charge Rating		10-hour Dis- charge Rating		20 Minute Dis- charge Rating		6 Minute Dis- charge Rating	
				Ampere Hours	Termin- ing of Voltage (Volts)	Ampere Hours	Termin- ing of Voltage (Volts)	Ampere Hours	Termin- ing of Voltage (Volts)	Ampere Hours	Termin- ing of Voltage (Volts)
HS Positive Plates	135	141	2	14	1.8	13.5	1.8	6.5	1.7	4	1.5
HS Negative Plates	135	141	2								
MS Positive Plates	122	141	2.5	13	1.8	12.8	1.8	6	1.7	3.75	1.5
MS Negative Plates	122	141	2								

CURVE OF CHARACTERISTIC DISCHARGE OF PLATES FOR STARTING MACHINE



SPECIFIC GRAVITY OF ELECTROLYTE: 1.28 TEMPERATURE: 26°C



固定式蓄電池 STATIONARY STORAGE BATTERY

Stationary Storage Battery is suitable for Main Power Station, Generating Electricity Station, Wireless and Wire Operation, Mines and various Laboratory etc. and is used for commanding DC Electricity sources for lighting and communications.

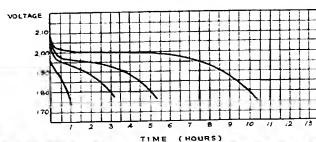
SPECIFICATION OF STATIONARY BATTERY

Models	No. of Plates	Voltage (Volts)	Capacity (Ampere hour)		Can- tainer	Overall Measurement (MM)			Dis- charging Standard Electric Current (Ampere)	Approx. Net Weight (lbs.)
			Per 10 hours discharge rating	Per 5 hours discharge rating		Height	Width	Length		
Stationary Model 1-1	3	2	35	70	Glass Ware	270	215	80	3.6	11.5
" 1-2	5	2	72	36	"	270	215	130	7.2	18
" 1-3	7	2	108	54	"	270	203	180	10.8	23.25
" 1-4	9	2	144	72	"	290	203	204	14.4	32
" 1-5	11	2	180	90	"	290	203	270	18	38.5
" 1-6	13	2	216	108	"	290	203	270	21.6	45
" 2-3	7	2	216	108	"	413	195	220	21.6	35
" 2-4	9	2	288	144	"	485	195	220	28.8	28.13
" 2-5	11	2	360	180	"	485	205	240	36	62
" 2-6	13	2	432	216	"	485	205	270	43.2	77.5
" 2-7	15	2	504	252	"	485	205	295	50.4	83
" 2-8	17	2	576	288	"	485	205	345	57.6	94
" 2-9	19	2	648	324	"	485	205	395	64.8	104.75
" 2-10	21	2	720	360	"	485	205	425	72	115.5

CAPACITY AND MEASUREMENT FOR STATIONARY PLATE

Plate Models	Plate Measurement (MM)			Discharging Capacity per plate (Ampere Hours)	
	Height	Width	Thickness	Discharging rate per 10 hours	Discharging rate per 5 hours
Stationary Model 1 Semi-Finished positive plate	177	170	11	56	29
Stationary Model 1 Ointment type negative plate	177	170	8.6		
Stationary Model 2 Semi-Finished positive plate	345	170	11	72	58
Stationary Model 2 Ointment type negative plate	345	170	8.6		

CURVE OF CHARACTERISTICS OF DISCHARGING OF STATIONARY PLATE
SPECIFIC GRAVITY: 1.225 TEMPERATURE: 26°C



船舶及礦坑電車用蓄電池 STORAGE BATTERY FOR VESSELS, MINES & TRAMS

This storage battery is suitable for use on vessels, mines, trams, electric transporting machine and lighting.

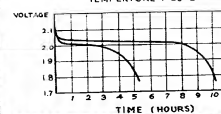
SPECIFICATIONS OF STORAGE BATTERY FOR VESSELS, MINES & TRAMS

Models	Voltage (Volts)	Capacity (Ampere hours)		Measurement (MM)			Kinds of containers		Approx. net weight (lbs.)
		10-hours discharge rating	5-hours discharge rating	Length	Width	Height	Cells	Cases	
MS Model 3-14-189	6	189	182	410	180	205	—	Hard Rubber	34
MS Model 3-14-350	6	350	330	530	210	380	—	Hard Rubber	69.5
MS Model 4-18-350	8	350	330	594	210	380	—	—	92.5
MS Model 5-18-350	10	350	330	658	210	380	—	—	115.5
Ointment Type with glass wool and wooden separator Model 3-7-378	6	378	339.5	530	210	380	—	—	75
Ointment Type with glass wool and wooden separator Model 4-7-378	8	378	339.5	594	210	380	—	—	100
Ointment Type with glass wool and wooden separator Model 5-7-378	10	378	339.5	658	210	380	—	—	125

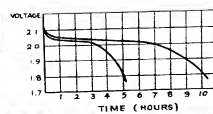
CAPACITY AND MEASUREMENT FOR PLATE OF STORAGE BATTERY FOR VESSELS, MINES AND TRAMS

Plate Models	Measurement (MM)			Capacity per positive plate (Ampere hours)	
	Height	Width	Thickness	10-hours discharge rating	5-hours discharge rating
MS Positive Plate	135	141	2	13.5	12
MS Negative Plate	135	141	2		
MS Positive Plate	267	141	2.5	25	24
MS Negative Plate	267	141	2.5		
Ointment Type Positive Plate	267	141	3.5	34	48.5
Ointment Type Negative Plate	267	141	3.5		

CURVE OF CHARACTERISTIC DISCHARGING OF OINTMENT TYPE PLATE
SPECIFIC GRAVITY: 1.265
TEMPERATURE: 26°C



CURVE OF CHARACTERISTIC DISCHARGING OF PLATE OF STARTING TYPE
SPECIFIC GRAVITY: 1.265
TEMPERATURE: 26°C



電源動力蓄電池 STORAGE BATTERY FOR ELECTRICITY SOURCES GENERATION

This Storage Battery can be used for sources of DC electricity supplies for Passenger Vehicle Lighting, Commanding Oil Circuit Breakers in Power Station and Generator Station. Electric Lorry Truck and Laboratory.

This Storage Battery is made of 2 volts and its advantage is that it can be organized to be Storage Battery of Multiple Voltages.



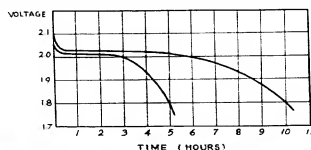
SPECIFICATIONS FOR STORAGE BATTERY OF OINTMENT TYPE WITH GLASS WOOL AND WOODEN SEPARATOR.

Models	Voltage (Volts)	No. of Plates	Capacity (Ampere hours)		Measurement (MM)			Approx. net weight (kgs)
			Discharging rate per 10 hours	Discharging rate per 5 hours	Length	Width	Height	
Ointment Type with Glass Wool & Wood Separator Model 1-11	2	11	290	250	195	73	333	13.75

SPECIFICATIONS FOR STORAGE BATTERY PLATE OF OINTMENT TYPE AND ELECTRIC SOURCES GENERATION

Plate Models	Plate Measurement (MM)			Capacity per Positive Plate (Ampere hours)	
	Height	Width	Thickness	Discharging rate per 10 hours	Discharging rate per 5 hours
Ointment Type Positive Plate	222	182	4	58	50
Ointment Type Negative Plate	222	182	3.5		

CURVE OF CHARACTERISTICS OF DISCHARGING OF STORAGE BATTERY PLATE OF OINTMENT TYPE WITH ELECTRIC SOURCES GENERATION. SPECIFIC GRAVITY: 1.265 TEMPERATURE: 26°C



小型信號羅盤電源蓄電池 SMALL MODEL ELECTRICITY SOURCES STORAGE BATTERY FOR SIGNAL AND COMPASS

This Small Model Storage Battery is used for supplying the electricity sources for special military signal, navigation compass, laboratory and small model exchange boards.

SPECIFICATIONS FOR ELECTRIC SOURCES SUPPLYING SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

Models	No. of Plates		Voltage (Volts)	Capacity 20 hours discharge rating (Ampere hr.)	Measurement (MM)			Approx. net weight (kgs)
	per pc.	per pc.			Height	Width	Length	
Small & Light Model 3-3	15	5	6	20	140	120	120	5.25

CAPACITY AND MEASUREMENT FOR ELECTRIC SOURCES SUPPLYING SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

Plate Models	Measurement (MM)			Discharging capacity per positive plate rate per hour (Ampere hour)
	Height	Width	Thickness	
Positive plate Light & Small Model 3-3	86	100	6	10
Negative Plate Light & Small Model 3-3	86	100	35	

携帶式蓄電池 PORTABLE STORAGE BATTERY

The Storage Battery of this Model is used for supplying the electricity source for school teaching and laboratory experiment, and also can be used for co-operating with the electricity sources for special current experiment, lighting and small model radio exchange station.

SPECIFICATIONS FOR PORTABLE STORAGE BATTERY

Models	No. of Plate		Voltage (Volts)	Capacity discharging rate per 20 hours (Ampere hr.)	Measurement (MM)			Approx. net weight (kgs)
	per pc.	per cell			Height	Width	Length	
Portable Model 3-17	51	17	6	50	253	132	344	7.5

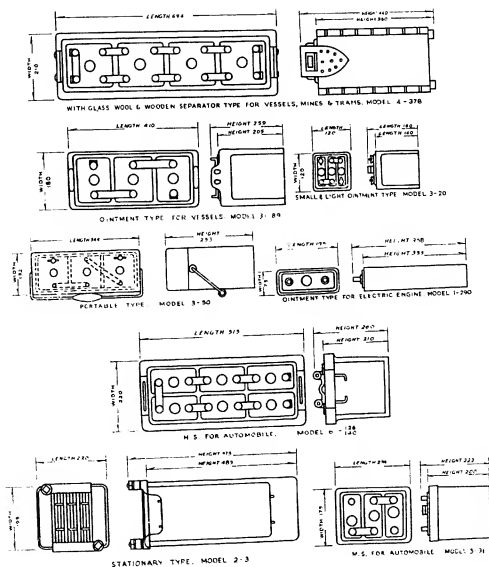
CAPACITY AND MEASUREMENT OF PORTABLE STORAGE BATTERY PLATE

Plate Models	Measurement (MM)			Capacity per Positive Plate 20 hours discharge rating (Ampere hours)
	Height	Width	Thickness	
Portable Positive Plate Model 3-17	121	81	2.5	6.25
Portable Negative Plate Model 3-17	121	81	2.5	

LIST OF SPECIFICATIONS OF "KIN HONG" BRAND STORAGE BATTERY
POSITIVE AND NEGATIVE PLATE IN VARIOUS MODELS

Models of Storage Battery suitable for	Models and Names of Plate	Original Nos.	Measurement (MM)			Standard Capacity per Positive Plate (Amperes-Hrs.)
			Height	Width	Thickness	
Storage Battery for Automobiles	M.S. Positive Plate	1	122	161	2.5	13
	M.S. Negative Plate	2	122	161	2.5	
	M.S. Positive Plate	3	122	161	2	12.5
	M.S. Negative Plate	4	122	161	2	
	H.S. Positive Plate	5	135	161	2.5	15
	H.S. Negative Plate	6	135	161	2.5	
	H.S. Positive Plate	7	135	161	2	14
	H.S. Negative Plate	8	135	161	2	
	H.S. Positive Plate	9	162	164	2.2	16.5
	H.S. Negative Plate	10	162	164	2.2	
	S.S. Positive Plate (Short start)	20	115	162	2	12
	S.S. Negative Plate (Short start)	30	115	162	2	
	Short Outset Type Positive Plate	13	115	164	3	13.5
	Short Outset Type Negative Plate	14	115	164	3	
Storage Battery for Vessels, Mines & Trains	H.S. Positive Plate	21	247	161	2.5	25
	H.S. Negative Plate	22	247	161	2.5	
	M.S. Positive Plate	23	221	161	3.5	48
	M.S. Negative Plate	24	221	161	3.5	
	H.S. Outset Type Positive Plate	25	247	161	3.5	54
	H.S. Outset Type Negative Plate	26	247	161	3.5	
	High & Wide Outset Positive Plate	3	415	204	6	129.5
	High & Wide Outset Negative Plate	22	415	204	6	
	Middle & Wide Outset Positive Plate	33	248	204	6	75.5
	Middle & Wide Outset Negative Plate	34	248	204	6	
Stationary Storage Battery	Stationary Model No. 1 Semi-Enclosed Positive Plate	4	177	170	11	36
	Stationary Model No. 1 Semi-Enclosed Negative Plate	42	177	170	11	
	Stationary Model No. 2 Semi-Enclosed Positive Plate	43	324	174	11	72
	Stationary Model No. 2 Semi-Enclosed Negative Plate	44	324	174	11	
Storage Battery for Storage Battery Vehicles	Middle & Wide Outset Positive Plate	12	222	82	4	18
	Middle & Wide Outset Negative Plate	16	222	82	4	
	Aviation Model 12-30 Positive Plate	5	130	126	1.6	7.5
	Aviation Model 12-30 Negative Plate	16	130	126	1.6	
Aviation Storage Battery	Aviation Model 6-120 Positive Plate	17	167	164	2	17.5
	Aviation Model 6-120 Negative Plate	18	167	164	2	
	Aviation Model 12-30 Positive Plate	19	87	142	1.5	6.7
	Aviation Model 12-30 Negative Plate	20	87	142	1.5	
Signal & Control Storage Battery	Light and Small Outset Type Positive Plate	27	88	120	6	10
	Light and Small Outset Type Negative Plate	28	88	120	6	
	Stationary Outset Type Positive Plate	11	101	110	6.5	12
	Stationary Outset Type Negative Plate	12	101	110	6.5	
Storage Battery for Laboratory Electricity Source	Thin Positive Plate	35	71	71	2.5	3.5
	Thin Negative Plate	26	71	71	2.5	
	Thick Positive Plate	39	97	62	4.5	6
	Thick Negative Plate	40	97	62	4.5	
Portable Storage Battery	Portable Positive Plate	45	121	81	2.5	6.25
	Portable Negative Plate	46	121	81	2.5	

OUTSIDE MEASUREMENT AND SPECIFICATIONS FOR VARIOUS STORAGE BATTERIES



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BRANCHES

TIENTSIN OFFICE: 171 Chine Shien Road (Ho Si District)
Cable Address: TRANSMACH Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road El
Cable Address: TRANSMACH Shanghai

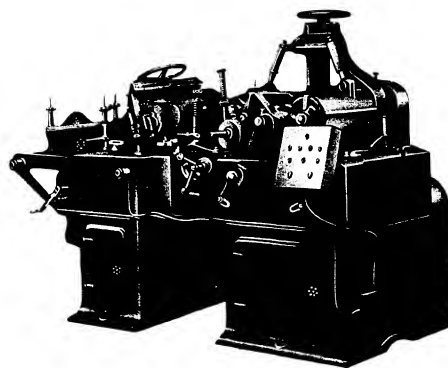
CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: TRANSMACH Canton

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4-Way Planer for Lumber Model CH 30-1
Automatic Feeding Circular Saw Model IIA
Surface Fine Planer Model 6
Vertical Tenon-Mortise Driller Model CBII
Multiple-Duty Saw for Lumber Model YK
Suspended Movable Circular Saw Model QM (U is TS)
Foot Controlled Movable Circular Saw Model QKS-3
3-Way Planer Model K-3
One-Way Planer Model CP6-2
Multiple-Duty Band Saw JIC 60-2
Horizontal Tenon-Mortise Driller CBB-3M
Milling Machine for Lumber Model 4-3
Tenon Milling Machine 4 III-3
Chain Type Tenon-Mortise Machine Model MIA
Combination Tenon Saw Model MJ 0-3

四面壓鉋床

CONFIDENTIAL
CH 30-1型



- 特点:
1. 本机床有着很高的生产效率。被加工木材可以四面同时刨光。每分钟最快可刨32公尺长的木材。
 2. 本机床是属于中大型木工机械。全机床是由五大主要部分构成。
①床身 ②工作台 ③四个车头 ④自动送料机构 ⑤电气控制设备。
 3. 四个车头，分别由四个电机单独用直接带动。
 4. 自动送料机构，由四个送料器所组成，统一的由一个电动机经过减速齿轮带动。
 5. 电气控制设备，设在床脚内部，集中的控制着五部电动机的运转，按工作需要可全部开车停车或个别开车停车，通过电钮进行操纵。
- 为了安全在各个电动机线路中，均设有安全负荷的控制设备。

用途: 最适用于建筑工程工地、木工厂、傢俱厂等工业部门，加工方料、板料四面同时刨光和立面裁口使用。

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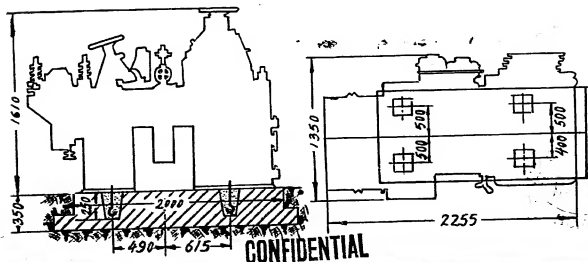
四面壓鉋床

CONFIDENTIAL

主要規格

被加工材料的最大寬度(公厘)	300	交流電源的電動機	
被加工材料的最大厚度(公厘)	125	下面橫車頭:	
被加工材料的最小長度(公厘)	400	動力(瓩)	4.5
車頭數量:		轉數(轉/分)	3,000
橫車頭	2	上面橫車頭:	
豎車頭	2	動力(瓩)	7.0
車頭軸的直徑(公厘)	180	轉數(轉/分)	3,000
車頭主軸速度(轉/分)	2,000	豎車頭:	
車頭的移動(公厘)	100	動力(瓩)	4.0
送料速度的變換(種)	5	轉數(轉/分)	3,000
送料速度(公尺/分)	6, 8, 11, 22及32	送料機構:	
		動力(瓩)	2.8
		轉數(轉/分)	1,000
		機床體積(長×寬×高)(公厘)	2,250×1,350×1,610
		機床重量(公斤)	大約2,700

四面壓鉋床按裝圖



16/5/07

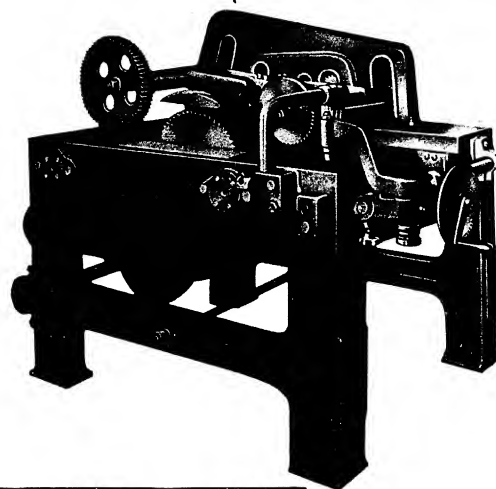
CONFIDENTIAL

自動送料圓鋸機

50X1-HUM

CONFIDENTIAL

IIA型



- 特点:
1. 本機床設有自動送料裝置,它由齒輪傳筒和後輪三個主要部份構成,能夠按着加工木材厚度準確和自動送料。因此它在自動送料上較比其他圓鋸機具備了優越性。
 2. 本機床具有很高的工作效率。
 - ① 鋸齒每分鐘切削速度在3,900公尺以上。
 - ② 自動送料速度每分鐘最高可達75公尺,同時根據加工木材的性質和要求,還可適當的將其送料速度變換為每分鐘33和55公尺兩段速度。
 3. 本機床設有縱行導板保證在高速鋸割的條件下加工木材送料準確。
 4. 本機床設有安全防護罩防止木材在加工過程中飛出保證安全作業。
 5. 本機床開關車均由電鍵操縱。

用途: 根據以上特點本機床被採用在製木廠板材及非木材加工工業上作為鋸割板材方材和膠合板之用。

CONFIDENTIAL

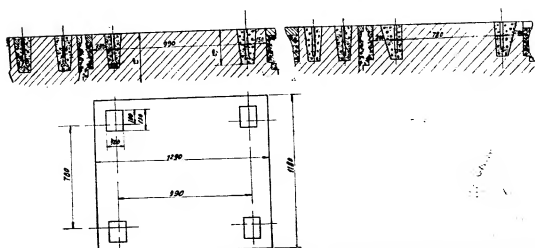
自動送料圓鋸機

CONFIDENTIAL

主要規格

能鋸最大厚度(公厘)	.....80
能鋸最大寬度(公厘)	最大.....300
	最小.....5
能鋸最短材料(公厘)	.....665
送料速度種類(種)	.....3
送料速度(公尺/分)	.....33 × 50 × 75
鋸片最大直徑(公厘)	.....450
鋸片轉數(分/轉)	.....2,800
工作台面到地面距離(公厘)	.....760
交流電動機	380 220 (瓩).....10
機床體積(長×寬×高)(公厘)	.....1,600 × 1,200 × 1,150
機床重量(公斤)	.....約1,830

自動送料圓鋸機安裝圖



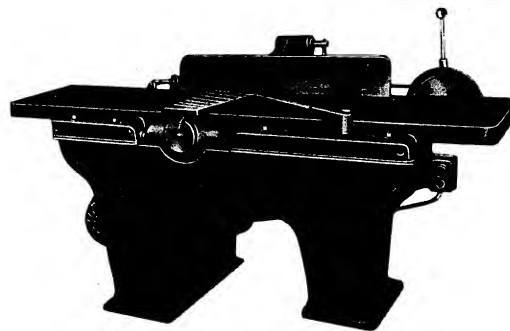
CONFIDENTIAL

平面精鉋床

CONFIDENTIAL

50X1-HUM

CΦ-6型



- 特点:
1. 本机床工作台由前后两个部份组成。通过偏心机构的作用可使工作台上下起落和前后移动，这样就能变换工作台面与刨刀轴之间的相对距离。上下起落可以调节进刀深度，前后移动，便于装换刨刀。在操作中按着刻度转动手轮可迅速的按着加工尺寸的需要调节进刀深度。
 2. 刨刀主轴，带有精密调整刨刀装置。
 3. 刨刀主轴，装置在床身内部。由单独电动机用三角带带动。
 4. 本机床设有活动导板，可根据工件需要调整高度和角度。
 5. 本机床为了操作安全，设有可移动的防护罩，保护着刀轴，并且防止用手送料时可能发生的危险。
 6. 开车停车使用电钮操纵。

用途: 最适用于建筑工程工地，木工厂傢俱厂等工业部门，加工方材，板材刨光及刨斜面之用

CONFIDENTIAL

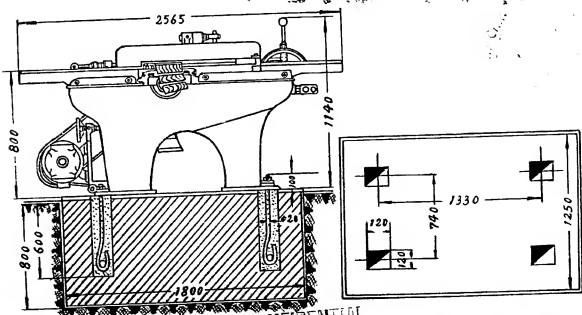
平面精刨床

CONFIDENTIAL

主要规格

最宽能刨(公厘).....600	交流电动机
工作台总长(公厘).....2,500	动力(瓩).....4.5
前工作台长度(公厘).....1,500	转速(转/分).....3,000
工作台间的最小距离(公厘).....65	机床体积(长×宽×高)(公厘).....2,565×1,420×1,140
工作台最大横向移动(公厘).....9	机床重量(公斤).....大约1,000
工作台到地面距离(公厘).....800	
刀轴转速(转/分).....5,000	
刀轴上刀片数量.....2	
刀轴的直径(公厘).....128	
最大深度能刨(公厘).....6	
导板最大倾斜度(度).....45°	

平面精刨床按装图



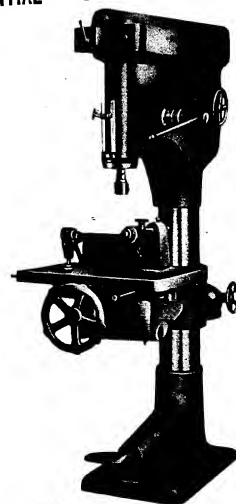
16/3/52

CONFIDENTIAL

立式鑽孔樺槽機

CONFIDENTIAL CB II 型

50X1-HUM



- 特点:
1. 本机床由床身、工作台和车头三个主要部分构成。轻巧精巧。便于中小型板材方材钻孔开槽加工之用。
 2. 电动机安装在床身上部，用三角带带动着车头，由二级塔轮，可变两种转速。
 3. 车头上卡着钻孔和开槽用的刀具，可通过脚踏「踏板」或手搬「搬把」的操作上下起落，进行钻孔和开槽工作。
 4. 工作台和托架連結一起，卡在床身圆柱上，可以围绕圆柱作水平转动，也可沿圆柱直立方向上下移动。工作台可以和水平线倾斜90°以内的角度，同时为了完成榫槽工作并可以在水平方向左右移动。

用途: 最适合于建筑工程工地、木工、家具、造船、机械、加工板材方材钻孔和开槽之用。

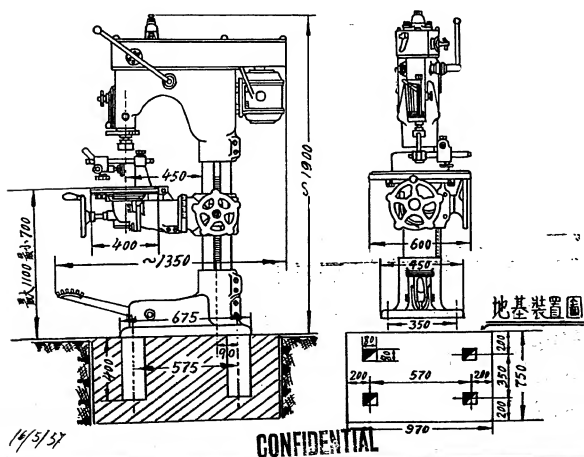
CONFIDENTIAL

立式鑽孔樺槽機

CONFIDENTIAL 主要規格

開槽最大長度(公厘).....	200	交流電動機.....	1.7
鑽孔最大深度(公厘).....	150	動力(瓩).....	3,000
主軸轉數(轉/分).....	3,000及4,500	轉數(轉/分).....	3,000
鑽頭最大直徑(公厘).....	50	機床體積(長×寬×高)(公厘).....	1,080×600×1,715
鑽頭中心距離台面(公厘).....	450	機體重量(公斤).....	約360
工作檯垂直移動距離(公厘).....	400		

立式鑽孔樺槽機按裝圖



CONFIDENTIAL

萬能木工鋸床

CONFIDENTIAL

50X1-HUM

YH 型



- 特点:
1. 本机床只用一片圓盤鋸時，就能完成 10~12 種不同的主要作業。
 2. 若用圓盤鋸配合切槽刀、銑刀和其他刀具，則機床上可以完成的工業數量就會無限的增加。
 3. 電動機固定在移動架上，它可以在平行於工作台的水平面上，旋轉 360°。
 4. 在切削工具上面固定着護罩，當其與收塵管接上時又可为收入切削鋸屑的吸塵器。
- 用途:
- 本机床为供縱鋸、橫鋸、各種角度的方材板材和膠合板同時并能銑削各種形狀及開槽鑽孔工作。該机床能適用到所有木材加工的生产上，在建築工地上和在模型車間上。

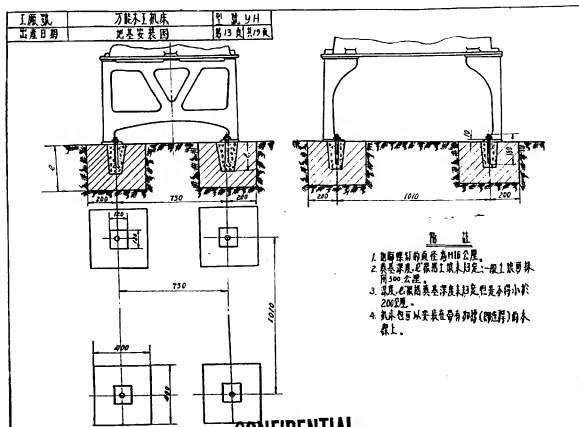
CONFIDENTIAL

萬能木工鋸床

主要規格

工作台面高度(公厘)	798
工作台面尺寸(公厘)	1,250 × 700
電動鋸工作中心高	
最小(公厘)	100
最大(公厘)	535
臂架升降距離最大(公厘)	435
臂架行程(公厘)	700
圓鋸最大直徑(公厘)	400
圓鋸沿圓柱體中心(迴轉角度)	360°
電動機(水平轉)	360°
電動機軸心線和工作台(角度)	90°
所需功率(瓩)	3.2
刀具轉數(轉/分)	2,930
机床外形尺寸(公厘長×寬×高)	1,400 × 1,300 × 194°
机床重量(公斤)	475

萬能木工鋸床按裝圖

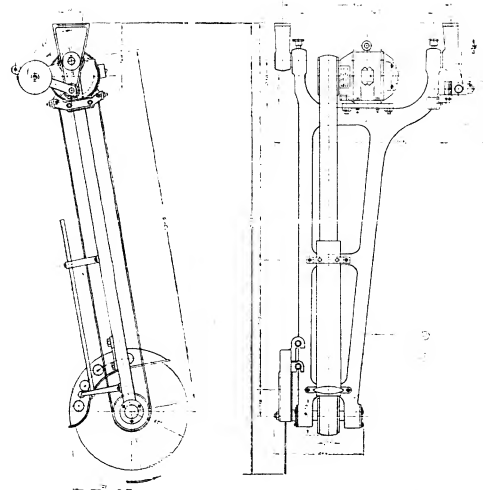


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ЦКМ

50X1-HUM



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構造： 1. 本機由吊掛及懸掛式機架兩個主要部份構成。

2. 吊掛用螺釘固定在梁上或架上。

3. 懸掛式機架，通過兩個同心轉動軸和吊掛連結在一起，懸掛在吊掛的下面。機架上部安設着電動機，下部安設着圓鋸主軸和圓鋸片。電動機通過皮帶的傳動，帶動着主軸。

4. 在操作時，用手移動機架，則此機架即以轉動軸為中心，以機架長（1,965公厘）為半徑作一個大弧線運動。這樣就完成了鋸割工作。

5. 本機設有配重裝置，保證機架在鋸割工作完了時，自動的返回原來的傾斜位置，便於操作。

用途： 本機廣泛的被採用在木材加工業上，作為板材，方材，等截頭以及粗加工之用。

主要規格

最大鋸木高度(公厘)	225
最大鋸木寬度(公厘)	500
鋸盤最大直徑(公厘)	650
鋸片孔徑(公厘)	35
鋸盤轉數(轉/分)	1500
鋸盤線速度(公尺/秒)	50

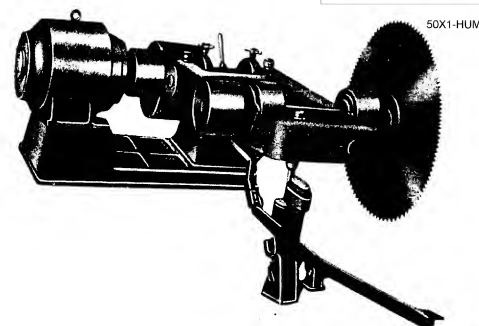
交流電動機

動力(瓩)	4.5
轉數(轉/分)	1500
機體重(公斤)	280

CONFIDENTIAL

CONFIDENTIAL

ЦКБ-3



構造特點： 1. 本機床設有能够上下起落的旋臂，上面裝設着主軸和圓鋸片。

2. 在操作時，用脚踏板，就可以使圓鋸片上下起落，這樣就能對放在工作台上的木材進行鋸割，非常輕便。

3. 本機床設有單獨的電動機，經皮帶傳動，為了防止皮帶鬆動，並設有偏心式的自動調整裝置。

4. 在本機床上面，由使用者自己根據使用情況，架設上木製的工作台，作為放置加工木材之用。在工作台上要參照機床圓鋸片的位置，留出縫口。

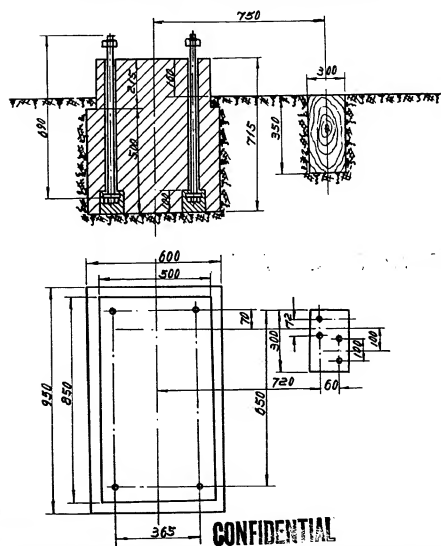
用途： 本機床廣泛的被採用在鋸木工廠等加工業中，作為截斷木板，木方及元木等。

CONFIDENTIAL

CONFIDENTIAL
主要規格

鋸斷材料最大厚度(公厘).....	150
鋸斷材料最大寬度(公厘).....	350
鋸片直徑(公厘).....	500-700
鋸片轉數(轉/分).....	1535
交流電動機	
動力(瓩).....	7.0
轉數(轉/分).....	1500
機床體積(公厘).....	1840×1110×850
機床體重(公斤)長×寬×高.....	約350

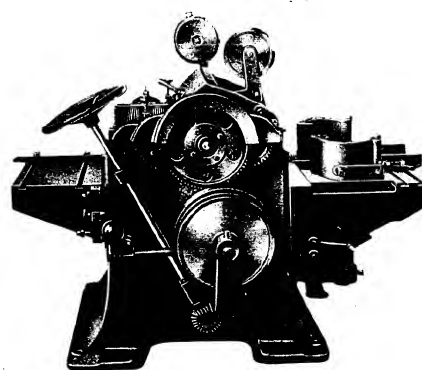
脚踏擺動圓鋸機按裝圖



三面壓鉋床

50X1-HUM

CONFIDENTIAL
K-3型



- 特点:
1. 本机床設有三个鉋刀輪, (一橫兩豎) 橫鉋在上面, 豎鉋在左右两个立面。
 2. 被加工の木材, 三面可以同时鉋光, 也可代替一面鉋光使用。
 3. 如果在两个立面軸上增添裁口刀具, 可以代替裁口机使用。
 4. 机体上共設有六个送料滾, 可以自动送料。
 5. 工作台通过手輪轉动, 可按标尺起落, 尺寸准确。

用途: 最适用于建筑工程工地, 木工厂, 傢俱厂等工业部門, 加工方材, 板材鉋光之用, 并也可以代替裁口机使用之。

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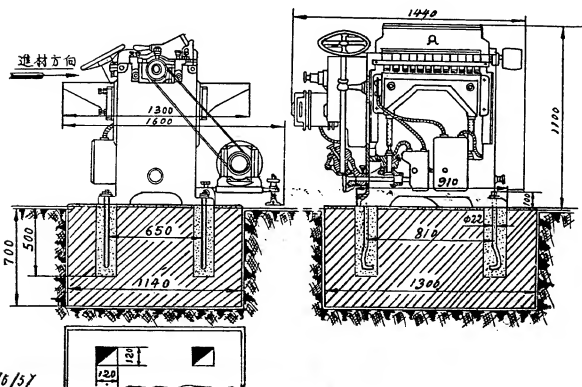
單面壓鉋床

CONFIDENTIAL

主要規格

最寬能鉋(公厘).....	600	(二)送料:	
最厚能鉋(公厘).....	200	動力(瓩).....	0.85
送料速度(公尺/分).....	10.5及14.5	轉數(轉/分).....	1,000
刀軸轉數(轉/分).....	4,250	機床體積(長×寬×高)(公厘).....	1,600×1,440×1,100
交流電動機		機床重量(公斤).....	約950
(一)鉋刀車頭:			
動力(瓩).....	7.4		
轉數(轉/分).....	3,000		

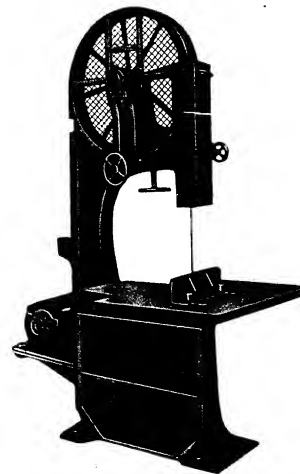
單面壓鉋床按裝圖



萬能帶鋸機

CONFIDENTIAL

JC 80-2型



- 特点:
1. 本机床設有輕巧堅固的弓形床身，在下部設有可以轉動 40° 的工作台。因此它可以鋸割出直角的和傾斜的鋸口來。這是一種萬能性。
 2. 另外一種萬能性是，它不但可以鋸割出直線鋸口，而且還可以鋸割出曲線的鋸口。
 3. 本机床構造，在強度上堅固，在調節上精確輕便，在作用上準確可靠。
 4. 本机床具有很高的工作效率，鋸條每分鐘的切削速度，在 2,000 公尺以上。
 5. 本机床開關車均由電磁操縱。
 6. 本机床設有完善的安全防護裝置。
- 用途:
- 由於萬能性和很高的工作效率，本机床的用途是非常廣泛的。它被採用在木工加工的工廠中(尤其是模型車間更為普遍)，作為鋸割膠合板、板材和方材等。

CONFIDENTIAL

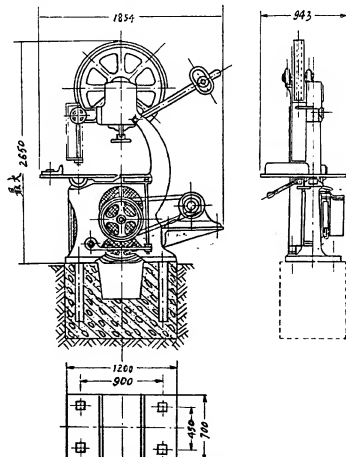
萬能帶鋸機

CONFIDENTIAL

主要規格

鋸輪直徑(公厘)	800
鋸輪轉數(分/轉)	800
最高能鋸(公厘)	570
最寬能鋸(公厘)	715
最寬鋸條(公厘)	35
工作面積(公厘)	940 × 790
台面能轉動最大角度	40°
交流電動機	
能力(瓩)	4.5
電動機轉數(分/轉)	1,500
機床體積(長×寬×高)	1,809 × 943 × 2,650
機床體重(公斤)	約920

萬能帶鋸機按裝圖



14/5/57

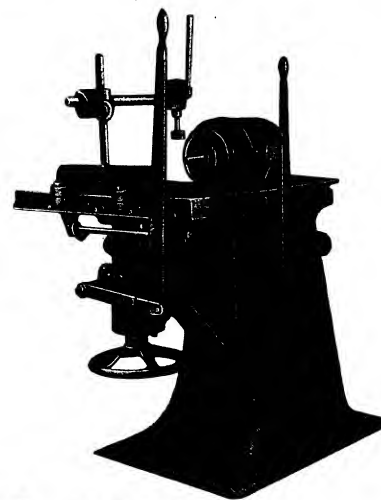
CONFIDENTIAL

臥式鑽孔機槽機

CONFIDENTIAL

50X1-HUM

CBF-3M型



- 特点:
1. 本机床由床身、車头和工作台三个主要部份組成，适合于从水平方向鑽孔及开槽之用。
 2. 床身結構輕巧，上面安設着車头和工作台。
 3. 車头由电动机和电动机座組成。电动机軸上，裝有鑽头卡具，可安鑽孔和开槽用的刀具，經搬動「搬手」可以在水平方向前后移动。
 4. 工作台上卡着被加工的板料，方材經轉動「手輪」可以上下移动，經搬動前方「搬把」可以左右移动，进行鑽孔和开槽工作。
- 用途: 最适合于建筑工程工地，木工厂、傢俱厂等工业部門，加工方材，板料从水平方向鑽孔及开槽之用。

14/5/57

CONFIDENTIAL

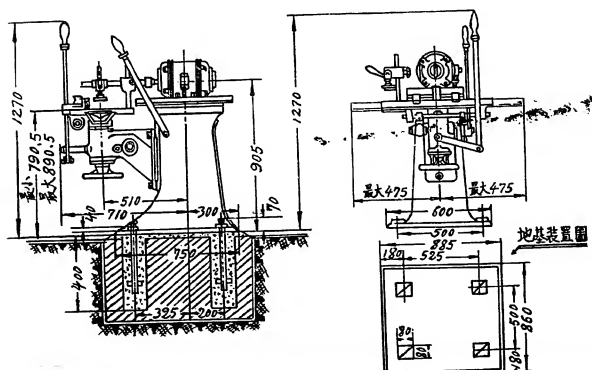
臥式鑽孔樺槽機

CONFIDENTIAL

主要規格

鑽孔最大直徑(公厘).....25	交流電動機
鑽孔最大深度(公厘).....100	動力(瓩).....1.7
在一個旋盤中樺槽最大長度(公厘).....200	轉數(轉/分).....3,000
方木材加工物最大高度(公厘).....125	機床體積(長×寬×高)(公厘).....1,010×950×1,280
方木材加工物最大寬度(公厘).....250	機體重量(公斤).....約320
台面至鑽軸最大距離(公厘).....115	

臥式鑽孔樺槽機按裝圖



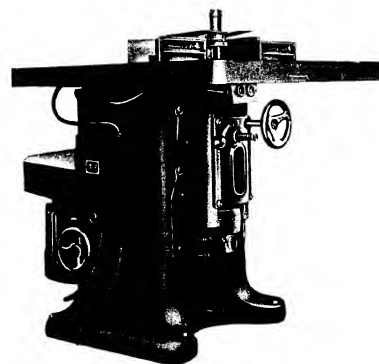
CONFIDENTIAL

木工銑床

CONFIDENTIAL

Φ-3型

50X1-HUM



- 特点:
1. 本机床設有高速精密的主軸，由單獨電動機用皮帶帶動轉動圓滑，附有開棒和齊頭兩種刀杆和刀具。
 2. 本机床設有自動潤滑油泵，保證高速迴轉部位的正常潤滑和最低溫度。
 3. 本机床開車關車使用電鈕操縱。
 4. 本机床經過改進刀具，可以當作銑床使用，銑出各種直線或曲線形狀。
- 用途: 最適用於建築工程工地，木工廠，傢俱廠等工業部門方材，板材齊頭、開棒、銑不同的面，曲線各種型狀之用。

CONFIDENTIAL

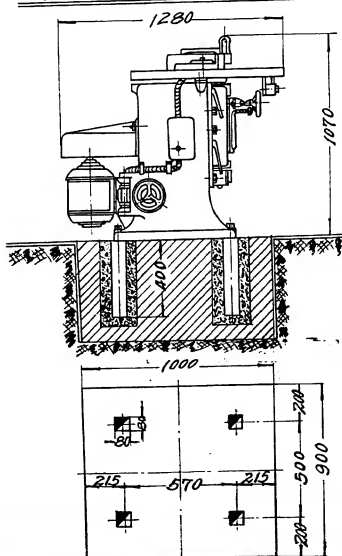
木工銑床

CONFIDENTIAL

主要規格

工作台的外形尺寸	1,000 × 850公厘
刀具心軸之直徑	30C
主軸的轉速	6,000—8,000轉/分鐘
主軸皮帶輪直徑	75公厘
電動機皮帶輪直徑	160—200公厘
電動機功率	45瓩
電動機轉速	3,000轉/分鐘
滑板最大移動距離	100公厘
机床外形尺寸	1,280 × 1,000 × 1,070公厘
起動設備的電壓	220—380伏特
机床重量	約450公斤

木工銑床按裝圖

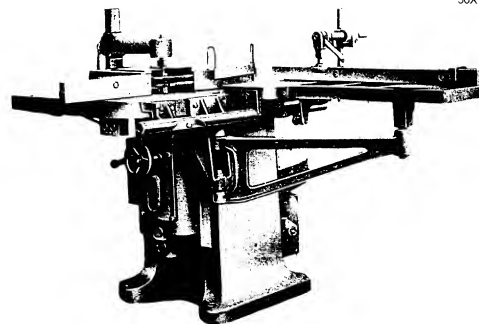


CONFIDENTIAL

木樺銑床

CONFIDENTIAL
ΦIII-3型

50X1-HUM



- 特点:
1. 本机床設有高速精密的主軸。由單獨電動機用皮帶帶動轉動圓滑，附有開棒和齊頭兩種刀杆和刀具。
 2. 本机床設有平行精度很高的活動工作台，通過滾柱和導軌架設在固定工作台旁，保證棒頭的尺寸精密和表面光潔。
 3. 本机床設有自動潤滑油泵，保證高速迴轉部位的正常潤滑和最低溫度。
 4. 本机床開關車使用電鈕操縱。
 5. 本机床經過改進刀具，可以當作銑床使用，銑出各種直線或曲線形狀。
- 用途:
- 最適用於建築工程工地，木工廠，傢俱廠等工業部門木材，板料齊頭、開棒、銑不同的直，曲線各種形狀之用。

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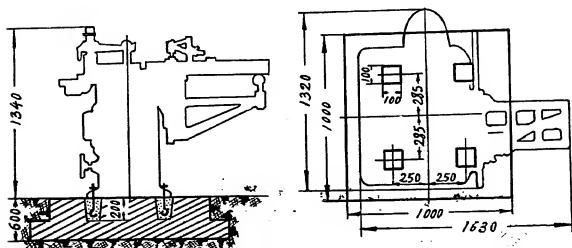
木 樺 銑 床

CONFIDENTIAL

主 要 規 格

床面面积(公厘)長×寬	1,000×800	主軸皮帶輪直徑(公厘)	75
齊樺頭寬度最大(公厘)	45	主軸昇降行程(公厘)	100
切樺深度最大(公厘)	100	交流电动机	
切樺刀刀寬最小(公厘)	12	电动机容量(瓩)	4.5
(齊頭時用)	8,000	轉數(轉/分)	3,000
主軸轉數(轉/分)		体积(長×寬×高)(公厘)	1,630×1,320×1,340
(開樺時用)	5,500	重量(公斤)	約550
切樺盤直徑(公厘)	250		

木 樺 銑 床 按 裝 圖



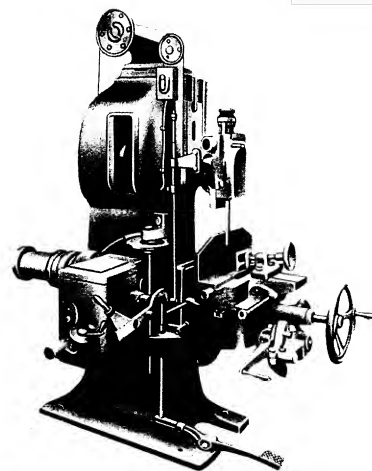
14/6/57

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鏈 式 樺 槽 機

CONFIDENTIAL
ДЦА 型

50X1-HUM



- 特点:
1. 本机床設有特殊鏈式刀具，是專做開方形樺槽的機械有着很高的工作效率。
 2. 本机床設有獨特的樺槽車頭，裝置在床身上部的滑動面上，單獨的电动机直接帶動鏈刀導輪驅使鏈式刀具，沿着導輪循環轉動。樺槽車頭和電動變一起，可腳動的（藉着腳踏板的動作）或自動的（藉着減速器的動作）沿着床身的滑動面上上下下移動，根據工作物開槽深度正確的掌握着標尺尺寸，進行開槽工作。
 3. 在床身下部設有工作台，上面卡着工作物，可以在水平方向前後左右移動。
 4. 減速器 單獨的由一個电动机直接帶動 担负着自動運轉的任務。
- 用途: 最适用于建築工程工地，木工厂，傢俱厂等工業部門，加工方材，板材專做開方形樺槽之用。

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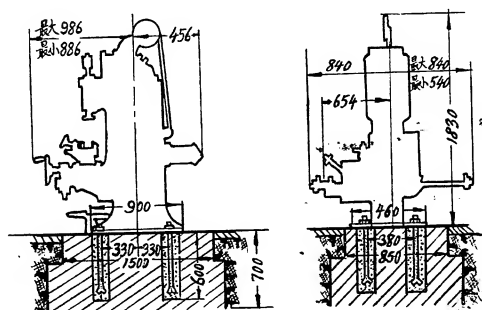
鏈式樺槽機

CONFIDENTIAL

主要規格

樺槽寬(公厘).....	16—30	交流电动机	
樺槽長(公厘).....	40—430	鏈傳動	
樺槽最大深度(公厘).....	175	動力(瓩).....	3.2
方木材最大寬度(公厘).....	200	轉數(轉/分).....	3,000
方木材最大高度(公厘).....	250	減速傳動	
工作台最大移動距離(公厘).....	100	動力(瓩).....	10
架的工作進程速度(公厘/分).....	18, 20, 40	轉數(轉/分).....	1,000
加的放空進程速度(公厘/分).....	65		

鏈式樺槽機按裝圖



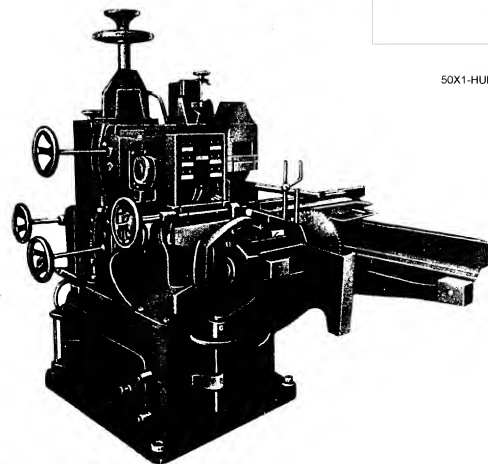
16/6/67

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ШО-6

50X1-HUM



- 構造:**
1. 本機床設有6個直結電動車頭，分別按着一個加工線，裝設在床身外邊。
 2. 在上述加工線上設有活動工作臺，上面裝着用快速卡具卡着的加工木材，沿着加工線方向往復移動，供應上述6個電動車頭的切削。
- 特點:**
1. 本機床設有6個電動機都單獨運轉，用電鈕控制。
 2. 本機床被認為屬於重型木工機械切削機床。
 3. 本機床6個電動機車頭，科學的按着開停順序組成一個完整的開停工程。各個車頭都能精確的調整，有着很高的工作效率。
 4. 各個車頭既可聯合在一起作為完整的開停之用，又可分開各自單獨的進行鋸割，銑形和掏槽等木材加工工作。
- 用途:** 本機床廣泛的被採用在傢俱標準件製造，車箱製造，汽車製造，和木材加工廠中，作為方材材料端部開出各種形狀的樺頭之用。

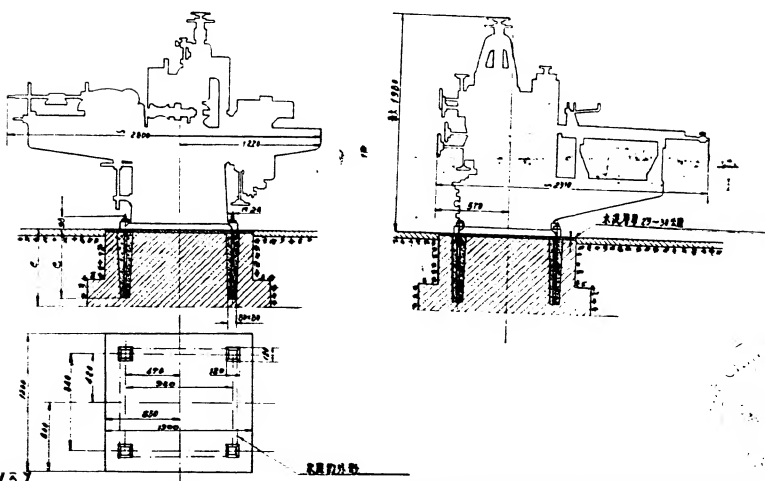
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主要規格

能開最長的樺槽(公厘)	200
能開最高樺頭(公厘)	50
被加工木材最大厚度(公厘)	150
被加工木材最大寬度(公厘)	400
能銑最大深度(公厘)	125
陽樺最大厚度(公厘)	30
刀架最大行程(公厘)	1985
交流電動機	
圓鋸	
動力(瓩)	3.2
轉數(轉/分)	3000
水平車頭(兩個)	
動力(瓩)	2.2
轉數(轉/分)	3000
鋸樺頭圓	
動力(瓩)	4.0
轉數(轉/分)	3000
切削車頭(兩個)	
動力(瓩)	1.0
轉數(轉/分)	3000
機床體積(長×寬×高)(公厘)	2800 × 2310 × 1980
機床體重(公斤)	約2000

鋸樺聯合機按裝圖



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50X1-HUM

~~CONFIDENTIAL~~Universal Circular SawSpecification

1. Work pieces

Max. height	120 mm.
Max. width	400 mm.

2. Max. diameter of saw blade 500 mm.

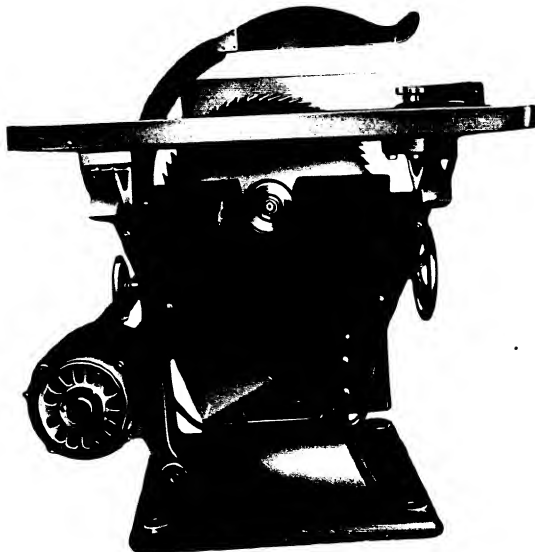
3. Speed of saw blade 2800 rpm.

4. Max. inclination of work table 45°

5. Lifting height of work table 100 mm.

6. Electric motor power 5.1 kw.
speed 3000 rpm.7. Overall dimension (L x W x H)
1140x900x1150 mm.

8. Overall weight 500 approx. kgs.



Printing Press Equipment



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

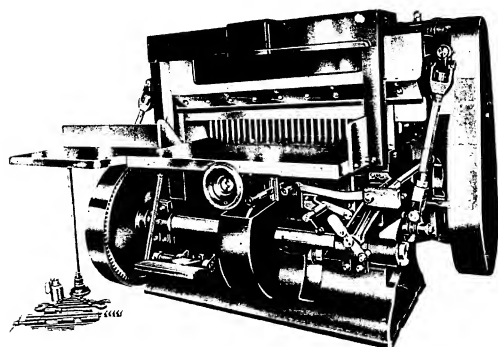
ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

11/5/57 **CONFIDENTIAL**

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自動切紙機

AUTOMATIC PAPER CUTTING MACHINE
MODEL PC50

This machine is especially suitable for large factories desirous of having a modern machine of high output. Clamping of the material, cutting and raising of the knife take place automatically. The automatic clamping device acts immediately after the machine has been started; it transmits pressure upon the full depth of the pile. Mechanical forward and backward movements of the back gauge are controlled by a lever. The exact distance between the knife and the back gauge is indicated by a cutting space indicator which, in conjunction with the side gauge on the front table, facilitates feeding and ensures perfect square cut. The main shaft is equipped with a multi-disc clutch, by means of which the cutting pressure can be regulated. The machine is driven by an electric motor, all driving belts being effectively guarded.

Model	PC50
Length of Cut	1270 mm (50")
Height of Cut	130 mm (5-1/8")
Time per Cut	4 seconds
Installation Floor Space	2450 x 2600 mm (98" x 104")
Motor	5 H. P.
Weight	Net: 3600 kgs. Approx. Gross: 4300 kgs. Approx.
Shipping Space	11 cu. m. Approx.

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50X1-HUM

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50X1-HUM

中國運輸機械進口公司

自动切紙機 PC 50 型

使用說明:

此項切紙機適合于大型印刷和裝訂工廠之用，其產量甚高，壓紙切紙及切刀升降均系自動。開車后壓紙設備即進行工作，壓力均勻，并裝有自動規尺，可以前後移動。刀片與規尺間之距離，由刻度表指明。該表與側面之規尺聯合使用，俾使切紙準確。

本机主軸附有多片式离合器可用來調整切紙壓力。

本机由電動機傳動，皮帶有防護罩，以策安全。

主要規格:

型 号:	PC50
切紙寬度:	1270 公厘 (50")
切紙高度:	130 公厘 (5 1/8")
每刀時間:	4 秒
裝置面積:	2450 x 2600 公厘 (98" x 104")
需要馬力:	5 匹
重 量: (淨重)	約3600公斤
(毛重)	約4300公斤
裝箱尺寸:	約11立方公尺

CONFIDENTIAL

14/5/57

对开切紙机 PC-36 型

使用說明:

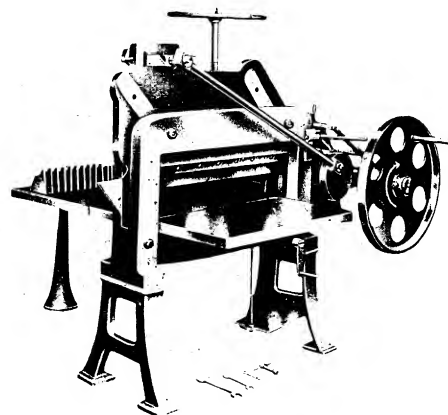
本机可用电力传动或由人工操作，構造堅固，产量甚高，切刀在最高位時，能自动分离，夾刀器由兩槓桿操作，工作台面高低可調節使用，压紙设备以手輪操作，本机适用于中小型切紙工厂。

主要規格:

型 号:	PC36
切紙長度:	914公厘 (36")
切紙高度:	130公厘 (5 1/8")
台面尺寸:	1080 × 927公厘 (42 1/2" × 36 1/2")
裝置面积:	2083 × 2438公厘 (82" × 96")
重 量: (淨重)	約1100公斤
(毛重)	約1400公斤
裝箱尺寸:	約2.5 立方公尺

對 開 切 紙 機

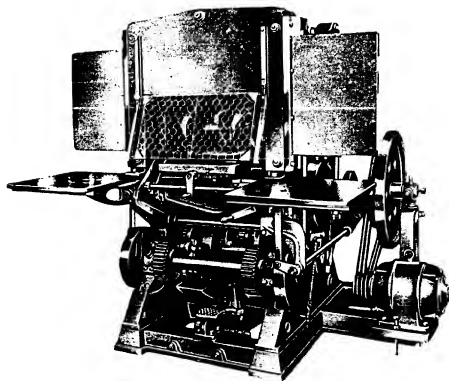
PAPER CUTTING MACHINE, MODEL PC36



This machine is so arranged that it can be driven either by hand or by power. It is of sturdy construction and has a high production capacity. The knife is automatically disengaged at its highest position. The knife holder is provided with double side connecting rods for diagonal cutting. The height of the table can be adjusted to avoid under or over cutting. The back gauge is adjusted by means of spindle and crank. The pressing beam is operated by a hand wheel. For power drive, an electric motor of 1 1/2 H.P. is required. Starting and stopping of the machine are effected by a coupling clutch operated by a hand lever. This model is constructed for small enterprise, but can be utilized as a good auxiliary machine in large printing establishments.

Model	PC 36
Length of Cut	915 mm (36")
Height of Stack	130 mm (5-1/8")
Table Surface	1070 × 915 mm (42 1/2" × 36 1/2")
Installation Floor Space	2060 × 2400 mm (82" × 96")
Weight	Net: 1100 kgs. Approx. Gross: 1400 kgs. Approx.
Shipping Space	2.5 cu. m. Approx.

三面切紙機
THREE KNIFE BOOK TRIMMING MACHINE,
MODEL BT



This machine is very popular to book-binding factories. It continuously trims stacks of paper, books, etc. on three sides. The automatic clamping device acts before the cutting operation; it transmits pressure on the entire top surface of the pile. The adjustment of the side-knives and of the back gauge, which becomes necessary for trimming a pile of another size, can be made in the most simple manner. Forme plates of different sizes can be supplied at buyers' option. The cutting zone is protected with guard screen so that the machine is accident proof.

Model	... ..	BT
Number of Cutting Knives	... ..	3
Time of each Cutting	... ..	10 seconds
Minimum Size to be cut	... ..	51×78 mm (2"×3 1/4")
Maximum Size to be cut	... ..	254×406 mm (10"×16")
Height of Stack	... ..	57 — 132 mm (2 1/4" — 5 1/4")
Installation Floor Space	... ..	2200×2100 mm (88"×84")
Motor	... ..	3 H. P.
Weight	... ..	Net: 3500 kgs. Approx. Gross: 3800 kgs. Approx.
Shipping Space	... ..	9.2 cu. m. Approx.

中國運輸機械進口公司

訂書機 WSP 型

使用說明:

本机專供訂書之用，系電力傳動或由腳踏操作。訂書時用圓形鋼絲，工作方便。

主要規格:

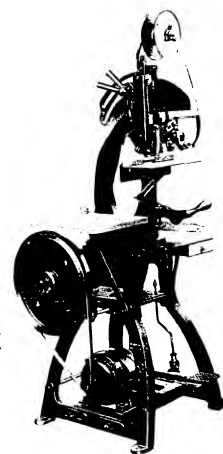
型 號:	.....	WSP
可訂厚度:	.....	200 頁報紙
騎馬釘長度:	.....	127" (1/2")
最高產量:	.....	120 釘/分
裝置面積:	.....	686×711公厘 (27"×28")
需要馬力:	.....	1 匹
重 量: (淨重)	.....	約 160 公斤
(毛重)	.....	約 230 公斤
裝箱尺寸:	.....	約 1 立方公尺

16/5/57

訂 書 機 WIRE STITCHING MACHINE, MODEL WSP

This machine is specially made for book binding work. It is driven either by electric motor or by treadle. For book binding, round shaped wire is used. The staple is struck from upside and bent underneath.

Model	...	...	...	WSP
Thickness	...	...	...	About 200 sheets of news-paper.
Staple Length	...	...	...	12.7 mm ($\frac{1}{2}$ ")
Maximum Capacity	...	...	...	120 staples per minute
Installation Floor Space	...	...	...	686 x 711 mm (27" x 28")
Motor	...	...	...	1 H. P.
Weight	...	...	...	Net: 160 kgs. Approx. Gross: 230 kgs. Approx.
Shipping Space	...	...	...	1 cu. m. Approx.



拖 紙 機 HYDRAULIC LIFTING TRUCK, MODEL LT

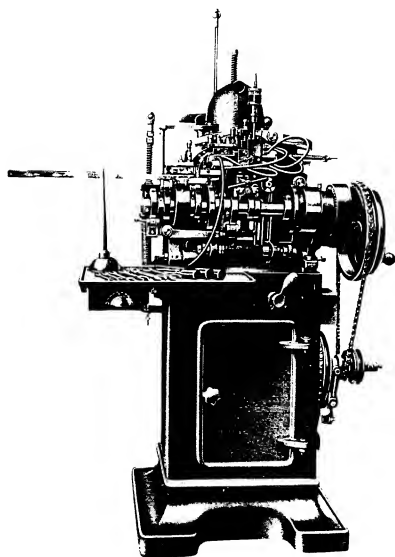
One of the important operations in any printing establishments is to handle materials efficiently. This hand lifting truck facilitates material handling, thereby reducing production cost.

Model	...	...	...	LT
Maximum Load	...	...	...	750 kgs.
Size	...	...	...	960 x 470 x 160 mm (38" x 18½" x 6½")
Weight	...	...	...	Net: 118 kgs. Approx. Gross: 140 kgs. Approx.
Shipping Space	...	...	...	0.25 cu. m. Approx.



鑄字機

TYPE CASTING MACHINE, MODEL TCL



This machine is developed for high speed casting of sharp and clear types. The essential parts are made of high grade carbon steel; those, which are subject to wear, as well as the shafts are hardened and heat treated. The most important part of this machine, the matrix case, is made of special chromium alloy steel and precision ground ensuring production of sharp metal types. It is arranged for heating by electric current, consuming about 3 kw. The machine is equipped with a $\frac{1}{2}$ H.P. electric motor and a type casting case, the size of which is at buyer's option.

Model	...	TCL
Casting Range	...	6 points to 28 points
Production per Minute	...	for 6 points, 130-150 castings
Installation Floor Space	...	850 x 650 mm (34" x 26")
Weight	...	Net: 420 kgs. Approx. Gross: 485 kgs. Approx.
Shipping Space	...	1.1 cu. m. Approx.

中國運輸機械進口公司

鑄字機 TCL 型

使用說明:

本机是高速鑄造鉛字之文化母機，其構造系用國產優良炭素鋼製成，主要輪軸等件均經熱處理，加強硬度，經久耐用，其附件鑄字盒，採用特種高錳合金鋼（即不伸縮鋼）精密磨制而成，出品鉛字光潔正確。

性能:

能鑄大號鉛字（即28POINT）到七號（即6POINT）附件鑄字盒內配有同樣高低尺寸之鑄字盒鋼板（即盒心）三塊，詳細規格由使用單位決定。

主要規格:

速度:

每分鐘出品:

大號鉛字	..... (28POINT)	15-20个
二號鉛字	..... (21POINT)	30-35个
三號鉛字	..... (16POINT)	50-55个
四號鉛字	..... (14POINT)	70-80个
五號鉛字	..... (10.5POINT)	90-100个
新五號鉛字	..... (9POINT)	100-110个
六號鉛字	..... (8POINT)	110-120个
七號鉛字	..... (6POINT)	130-150个
機器總尺寸:	..... (長×寬×高)	980×650×1450公厘
裝箱體積:	..... (長×寬×高)	850×650×1500公厘
機器重量:	.....	毛重 485 公斤 (附另件及應用工具)
附屬設備:	.....	華氏 1000° 溫度表一支
工具一套:	.....	4"6"8"旋齒一套
六件呆扳頭	.....	一套
嘴吧扳頭	.....	一只
油 壺	.....	一只

16/5/87

鑄字盒 TCC 型

使用說明:

本盒系采用特种高铬合金鋼(不伸縮鋼)經熱處理,精密磨制而成,系鑄字機最主要之精密配件,出品鉛字光潔正確,其精密度符合國際標準。

主要規格:

種類及性能:

固定式鑄字盒(專鑄一種號別鉛字,使用壽命特長)

活絡式鑄字盒(能澆高低尺寸相同之多種號別鉛字)

空鉛鑄盒(能澆二號至六號等各種空鉛)

裝箱體積: (長×寬×高).....230×180×90公厘

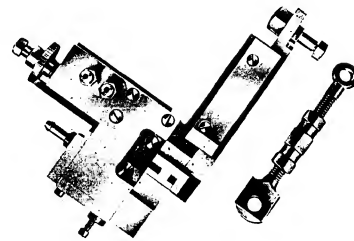
重 量:毛重: 四公斤

附屬設備:每鑄字盒附鋼版(即盒心)三塊

詳細規格由使用單位決定。

鑄字盒

TYPE-CASTING CASE, MODEL TCC



These Casting Cases are made of special chromium alloy steel, precision ground and heat treated ensuring production of clear and sharp metal types. They are available in three models:

TCC-A: Fixed model used for casting assigned sizes of types.

TCC-B: Adjustable model used for casting various sizes of types of uniform height.

TCC-C: Universal quotation casting box for casting short types (for space use) from No. 2 to No. 6.

Each type-casting case is provided with 3 sets of steel moulds, specification of which is at buyer's option.

Dimension and Weight

Dimension 230×180×90 mm (9"×7"×3½")

Weight 4 kgs. Approx.

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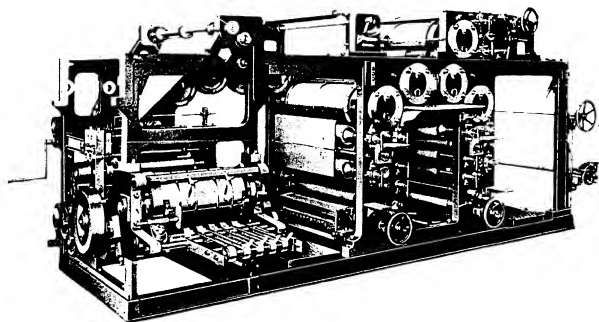
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輪轉印報機

ROTARY
PRINTING
MACHINES

單捲筒八版輪轉印報機

ROTARY PRINTING MACHINE



UNI-REEL 8-PAGE NEWSPAPER ROTARY PRESS

Model RPI-32

This Rotary Press is designed for printing 10,000 to 50,000 copies of newspapers daily. It is also adaptable to book and job printings. Rigidity in construction and simplicity in operation are its essential features. Its main frame is of the arch type which provides ample working space, and its parts are arranged within convenient reaches of the worker.

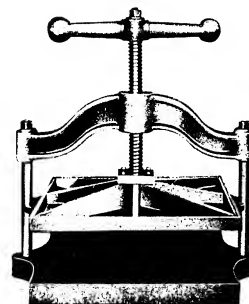
This press is composed of two printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed. An eccentric mechanism is provided for adjusting the centre of the shaft to ensure printing accuracy and correct pressure. The length of the cylinder is equal to the width of two plates.

The press is complete with one tapeless folder. Each complete issue of the newspaper will be automatically folded into two plait by means of the folding triangles and cylinders and sent out of the rotary press in consecutive order through its tape delivery. A counter

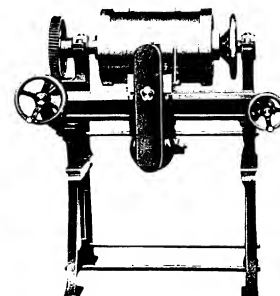
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STANDARD EQUIPMENT

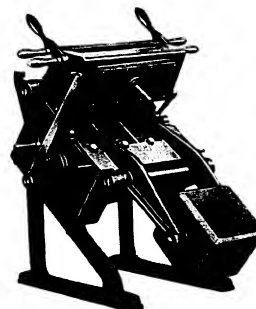
50X1-HUM



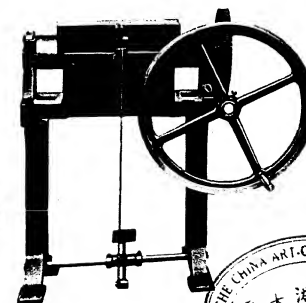
拱版機
Matrix Moulding Press



铣版機
Router with electric drive



浇版機
Oscillating Cup Casting Plant



刮版機
Shaver for curved stereos



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14/437

with recording marks for every 25 copies or 50 copies of newspapers delivered, is attached to the press for purpose of computation.

The press takes a single paper reel of 32" width, but reels from 31" up to 34" are also adaptable. Lifting device for paper reel is provided to save work and time. Another convenient feature is that two such presses can be connected together to convert into a two-reel 16 page press.

The electric drive consists of a variable speed A.C. commutator motor with remote control of speed by push buttons.

In case of emergency an electro-magnetic brake automatically stops the machine.

Technical data:

Maximum Printing Surface 14 $\frac{1}{2}$ " x 21"
 Size of 4-page Copy (with 32" width reel) 22" x 32"
 Standard Width of Paper Reel 32"
 Printing Diameter 14"
 Number of Plates 8 pcs.
 Number of Plates for second colour 4 pcs.
 Thickness of Plates: 14 mm.
 Thickness of Blanket 5 mm.
 Standard Speed 12,500 cyl r/h
 Output: Average as follows

No. of sheets per copy	No. of page	copies/hour	No. of pages with colour	Width of reel
$\frac{1}{2}$	2	50,000	1	32"
1	4	25,000	2	32"
2	8	12,500	4	32"

Power Required 20 H.P.

Overall Dimension length 5 x width 3.5 x height 2 m.

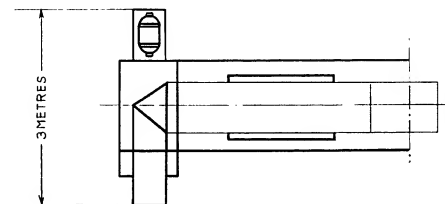
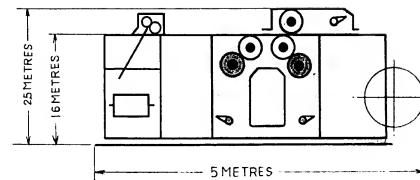
Standard Equipment includes one each of:

I-Matrix Moulding Press I-Router with Electric Drive
 I-Oscillating Cup Casting Plant I-Shaver for Curved Stereos
 I-Melting Pot I-Trimming Apparatus

Total Weight (including stereotyping set and electric equipment) 12,650 kgs. approx.

Gross Weight 15,250 kgs. approx.

Shipping Space 22.65 cu. m. approx.



OVERALL DIMENSION

50X1-HUM

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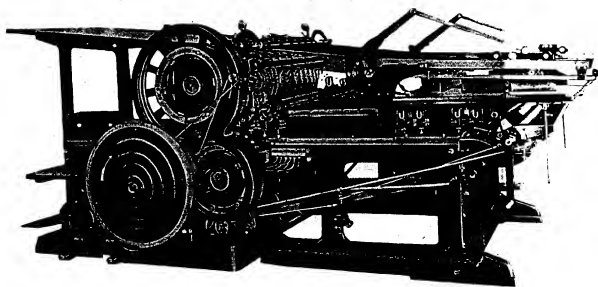
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印刷機器
PRINTING
MACHINERY



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS
ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADDRESS: TRANSMACH PEKING

雙迴轉緩衝式凸版機
TWO-REVOLUTION PRESS MODEL TRP
with Gripper-controlled Tape Delivery



This modern two revolution press embodies our latest improvement in work and design. Its strong construction ensures smooth working, perfect register and high output. Other features are: improved carriage drive with four roller tracks; pressure release, combined table and cylinder inking with three distributing rollers and four inking rollers; ink box with duct blade; air buffers ensuring steady working of the machine at the highest speed. The delivery adopted on this machine consists of tape system, the sheets being held by grippers on their travel from the cylinder to the pile. A very smooth and even pile is accomplished at any speed.

Model	TRP
Sheet size	915×1220 mm (36"×48")
Type Bed	934×1370 mm (36½"×54")
Chase, inside measurement	890×1194 mm (35"×47")
Type Matter locked in Chase	864×1170 mm (34"×46")
Impressions per hour	2000
Revolutions per Impression	12
Installation Floor Space	2400×4500 mm (96"×180")
Pulley, diam.×width	450×150 mm (18"×6")
Motor	7.5 H. P.
Weight	Net: 10 tons Approx. Gross: 12½ tons Approx.
Shipping Space	14 cu. m. Approx.

中國運輸機械進口公司

雙迴轉緩衝式凸版機 TRP 型

使用說明：

本机設計精密，構造新穎，印刷準確，產量甚高，印刷台而在四個油槽上行動給墨設備用三根打墨棍，及四個擦墨棍，並備有新式墨斗，台面下裝有空氣緩衝器，可使機器在高速運轉時工作平穩，排紙器系紗帶咬爪式。能堆疊整齊。

主要規格：

型 号	TRP
紙張尺寸	915×1220 公厘 (36"×48")
印台尺寸	934×1372 公厘 (36½"×54")
字盤內圈尺寸	890×1194 公厘 (35"×47")
印刷面積	864×1168 公厘 (34"×46")
產 量	單面2000張/小時
裝置面積	2438×4572 公厘 (96"×180")
皮帶盤尺寸：直徑×寬	457×152 公厘 (18"×6")
需要馬力	7.5匹
重 量：(淨重)	約10噸
(毛重)	約12½噸
裝箱尺寸	約14立方公尺



16/3/51

三色凸版机 PP-16 型

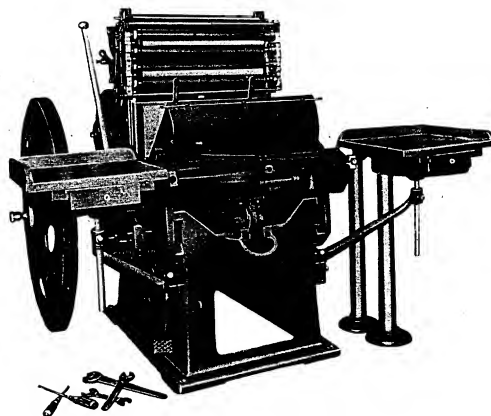
使用说明:

本机专印各种彩色刊物封面及凸版印刷工作，出品优良，该机底座与机架系铸成一起，附有二个撑力杆，四个油墨滚筒等，其优点为生产力高，占地小及用电省。

主要规格:

型 号:	PP16
印刷面积:	400 × 548 公厘 (15 3/4" × 21 5/8")
摇便平板尺寸:	419 × 600 (16 1/2" × 23 5/8")
产 量:	单面 1560 张/每小时
装置面积:	2032 × 1321 公厘 (80" × 52")
皮带盘尺寸: 径 × 宽:	330 × 75 公厘 (13" × 3")
需要马力:	2 匹
重 量: (净重)	约 1500 公斤
(毛重)	约 2000 公斤
装箱尺寸:	3.8 立方公厘

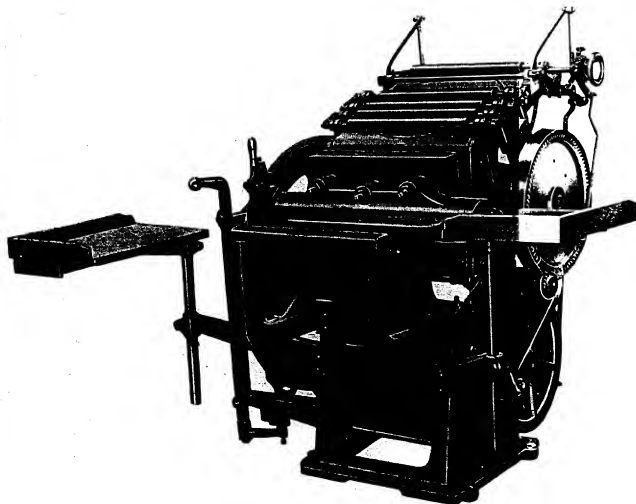
三色凸版机 PLATEN PRESS, MODEL PP16



In introducing the platen press we provide a machine which produces finest tint work as well as ordinary job work at highest speed. Bed and frame are cast in one piece. The machine is furnished with two tension rods, cylindrical inking with four inking rollers, friction clutch and brake. Operation of this machine requires minimum power and space.

Model	PP 16
Chase, inside measurement	394 × 560 mm (15 1/2" × 22")
Size of Platen	420 × 585 mm (16 1/2" × 23")
Impressions per Hour	1560
Installation Floor Space	2032 × 1321 mm (80" × 52")
Pulley, diameter × width	330 × 75 mm (13" × 3")
Motor	2 H. P.
Weight	Net: 1500 kgs. Approx. Gross: 2000 kgs. Approx.
Shipping Space	3.8 cu. m. Approx.

方箱印刷機
PLATEN PRESS, MODEL PP14



This is a fine art platen press suitable for general job printing and also for half-tone and zinc block works. It is built with sturdy bed and frame, a single disc and self-inking apparatus, friction clutch and brake. It is capable of a wide range of printing, requiring minimum power and space.

Model	PP 14
Chase, inside measurement	330 x 432 mm (13" x 17")
Size of Platen	355 x 508 mm (14" x 20")
Impressions per Hour	1260
Installation Floor Space	1270 x 1880 mm (50 1/2" x 74")
Motor	1 H. P.
Weight	Net: 1,200 kgs. Approx. Gross: 1,500 kgs. Approx.
Shipping Space	3 cu. m. Approx.

中國運輸機械進口公司

方箱印刷机 PP-14 型

使用說明:

本机一般印刷厂均甚适用, 可用于凸版及各种铜锌版之印刷, 底座与机架构造坚固, 备有自动给墨设备等, 其优点为占地小, 用电省, 用途广。

主要規格:

型 号:	PP14
印刷面积:	355 x 508 公厘 (14" x 20")
搖使平版尺寸:	330 x 432 公厘 (13" x 17")
产 量:	1260 張/每小时
裝置面积:	1283 x 1880 公厘 (50 1/2" x 74")
需要馬力:	1 匹
重 量: (淨重)	約1200公斤
(毛重)	約1500公斤
裝箱尺寸:	約3 立方公尺

1/8/58

元盤机 PP-10 型

使用說明:

本机用單元盤調墨，構造堅固，印刷均衡，产品清晰。

主要規格:

型 号: PP10
 印刷面积: } 254 × 381 公厘 (10" × 15")
 字盤尺寸: }
 平版尺寸: 279 × 406 公厘 (11" × 16")
 产 量: 1200—1800 張/小时
 裝置面积: 1422 × 1219 公厘 (56" × 48")
 重 量: (淨重) 約 530 公斤
 (毛重) 約 650 公斤
 裝箱尺寸: 約 1.7 立方公尺

中國運輸機械進口公司

全張膠版机(鏈式) OFC 型

使用說明:

此机用途甚广，可印图片、日历、商标、封面等等，主要机构有鋅版滾筒，膠版滾筒，压紙滾筒各一只，其尺寸均同，可單面印刷，套色准确，給墨裝置設計完善，印刷均匀，排紙設備系鏈式，可保證出品質量，其优点在产量高，佔地小，省电力，管理簡便，任何質地紙張均可应用。

主要規格:

型 号: OFC
 印刷面积: 864 × 1168 公厘 (34" × 46")
 鋅版尺寸: 991 × 1168 公厘 (39" × 46")
 紙張尺寸: 889 × 1219 公厘 (39" × 48")
 橡皮布尺寸: 1168 × 1168 公厘 (46" × 46")
 产 量: 單面 2280/2400 張/小时
 皮帶盤尺寸: 直徑 610 公厘 (24")
 需要馬力: 5 匹
 裝置面积: 5225 × 2575 公厘 (17'6" × 8'6")
 重 量: (淨重) 約 7420 公斤
 (毛重) 約 8450 公斤
 裝箱尺寸: 約 20 立方公尺

对开胶版机 鏈式-OHC 棒式-OHF

使用說明:

本机系完备之膠版印刷机, 适合于各种类型之印刷。最大优点不論优秀紙張均能应用, 且套色准确, 品質高, 产量大。备有棒式与鏈式。各型排紙設備, 任君选訂。

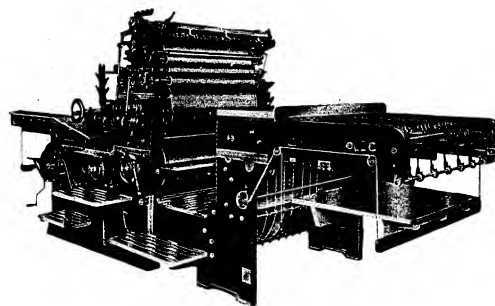
主要規格:

型 号:	.....OHC 及 OHF
印刷面积:	.....610×914公厘 (24"×36")
鋅版尺寸:	.....724×914公厘 (28½"×36")
紙張尺寸:	.....610×914公厘 (24"×36")
橡皮布尺寸:	.....864×914公厘 (34"×36")
产 量:	.....單面 2700 張/小时
皮帶盤尺寸:	.....直徑559公厘 (22")
需要馬力:	.....3匹
裝置面积:	.....3048×2032公厘 (10'0"×6'8")
重 量: (淨重)	.....約3500公斤
(毛重)	.....約4360公斤
裝箱尺寸:	.....約12立方公尺



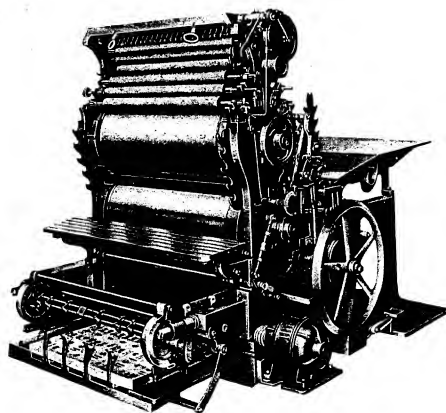
16/3/57

全張膠版機 鏈式 SINGLE COLOUR OFFSET MACHINE, MODEL OFC with Chain Gripper Delivery



Model OFC Offset Machine is recommended for any job work such as printing pictures, calendars, trade marks and book covers, etc. It is designed on the principle of three cylinders of equal sizes for single colour printing on one side. By means of an improved inking device, the composition is transferred to the zinc plate in a most simple manner. The machine is provided with chain gripper delivery which eliminates air agitation and ensures perfect register. Other special features are: high productivity, simplified operation, requiring minimum space and power, capable of using cheap and rough papers.

Model	...	OFC
Printing Surface	...	865×1170 mm (34"×46")
Plate Size	...	990×1170 mm (39"×46")
Paper Size	...	940×1220 mm (37"×48")
Blanket Size	...	1170×1170 mm (46"×46")
Production	...	2280/2400 sheets per hour on one side
Drive Ratio	...	5.5:1
Pulley Size	...	600 mm (24") dia.
Motor	...	5 H. P.
Installation Floor Space	...	5225×2575 mm (17'6"×8'6")
Weight	...	Net: 7420 kgs. Approx. Gross: 8450 kgs. Approx.
Shipping Space	...	20 cu. m. Approx.



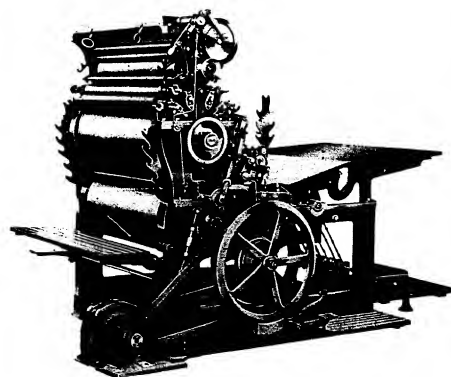
Model OHC with Chain Gripper Delivery

對開膠版機 鏈式
棒式

SINGLE COLOUR OFFSET MACHINE

This is a popular machine for any offset printing establishment, capable of handling intricate colour printing on any kind of paper. It is provided with either flyer delivery or chain gripper delivery at buyer's option. Other unique features of this machine are: improved inking device, dense and sharp impression and perfect register.

Models	...	...	...	OHF & OHC
Printing Surface	...	...	...	610 x 915 mm (24" x 36")
Plate Size	...	...	...	725 x 915 mm (28 1/2" x 36")
Paper Size	...	...	...	610 x 915 mm (24" x 36")
Blanket Size	...	...	...	864 x 915 mm (34" x 36")
Production	...	...	...	2700 sheets per hour on one side.
Drive Ratio	...	...	...	5:1
Pulley Size	...	...	...	550 mm (22") dia.
Motor	...	...	...	3 H. P.
Installation Floor Space	...	...	...	3000 x 2000 mm (10'0" x 6'8")
Weight	...	...	...	Net: 3500 kgs. Approx. Gross: 4360 kgs. Approx.
Shipping Space	...	...	...	12 cu. m. Approx.

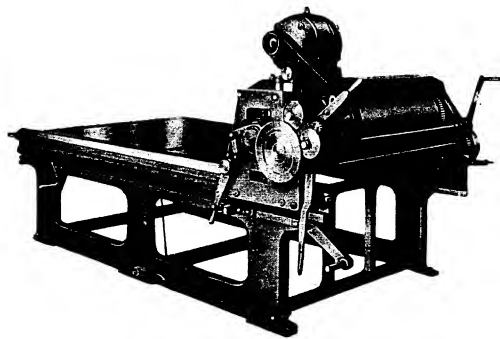


Model OHF with Flyer Delivery

全張
膠版打樣機對開

OFFSET PROOF AND TRANSFER PRESS,
MODELS OPH & OPF

with cylinder running in geared toothed racks



This machine is designed for proof and transfers from lithostone and type matter on the offset zinc plate. Besides, the machine is eminently suitable for proofs on paper, tin, celluloid, thick card-board, etc.

The machine is furnished for electric drive.

Models	OPH	OPF
Paper Size	610×915 mm (24"×36")	915×1220 mm (36"×48")
Working Trips per Minute	2	2
Installation Floor Space	3000×1800 mm (10'0"×6'0")	3300×2150 mm (11'0"×7'2")
Motor	2 H. P.	3 H. P.
Net Weight	2080 kgs. Approx.	3615 kgs. Approx.
Gross Weight	2384 kgs. Approx.	4080 kgs. Approx.
Shipping Space	2.65 cu. m. Approx.	5 cu. m. Approx.

中國運輸機械進口公司

膠版打樣機 OPH 及 OPF 型

使用說明:

膠版機之鋅版須先經本機打樣落版，方可上膠版機印刷，本機由電動機傳動。

主要規格:

種類:	對開:	全張:
型號:	OPH	OPF
紙張尺寸:	610×914公厘 (24"×36")	914×1219公厘 (36"×48")
裝置面積:	3048×1829公厘 (10'0"×6'0")	3353×2185公厘 (11'0"×7'2")
需要馬力:	2匹	3匹
重量: (淨重)	約2080公斤	約3615公斤
(毛重)	約2384公斤	約4080公斤
裝箱尺寸:	約2.65立方公尺	約5立方公尺

14/5/57

磨 鋅 皮 机 GM 型

使用說明:

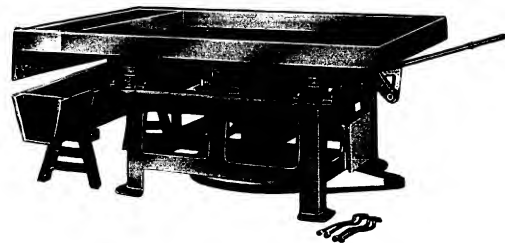
膠版印刷機之鋅版，經使用后，需經此機磨過，方可再用。使用本機時需用玻璃、陶器制或鋼制磨球，任憑選購。

主要規格:

型 号:	GM
机盤尺寸:	1727 × 1270 公厘 (68" × 50")
速度尺寸:	120 轉/分
裝置面積:	2032 × 1473 公厘 (80" × 58")
需要馬力:	1½ 匹
重 量: (淨重)	約 1150 公斤
(毛重)	約 1400 公斤
裝箱尺寸:	約 3.6 立方公尺

磨 鋅 皮 機

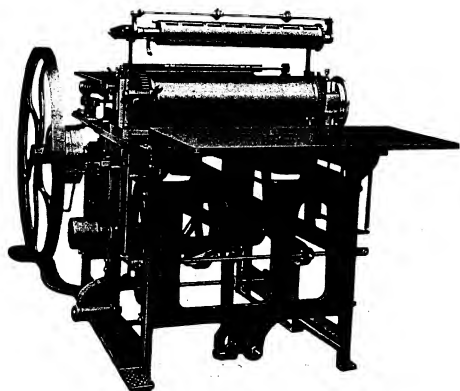
ZINC PLATE GRAINING MACHINE, MODEL GM



The machine is for cleaning and graining zinc plates for offset works. Glass, ceramic or steel marbles with sand are used, which may be supplied if required. It is directly driven by motor through vee belting.

Model	GM
Inside Measurement of Box	1730 × 1270 mm (68" × 50")
Speed	120 rpm
Installation Floor Space	2000 × 1450 mm (80" × 58")
Motor	1½ H. P.
Weight	Net: 1150 kgs. Approx. Gross: 1400 kgs. Approx.
Shipping Space	3.6 cu. m. Approx.

四開鉛印機
CYLINDER JOB PRESS
with flyer delivery-Model CJQ



Model CJQ is a stop-cylinder letter-press for ordinary job work. Constructional features include: carriage drive by rod motion with 2 roller tracks; cylinder inking unit with 3 inking rollers; ink box with duct blade. Delivery cylinder is of the clear off type and the rotation of the Impression cylinder is stopped by a handle.

Paper is fed by hand and delivered to the pile board by flyer system. The press is arranged for motor drive but at the same time it can be driven by a treadle.

Model	...	CJQ
Sheet Size	...	457×610 mm (18"×24")
Type Bed	...	483×635 mm (19"×25")
Chase, inside measurement	...	457×610 mm (18"×24")
Type matter locked in Chase	...	445×597 mm (17½"×23½")
Impressions per Hour	...	1500—1800

Flywheel Revolutions per Impression:	
Installation Floor Space	1800×1250 (72"×50")
Pulley Diam.×Width	300×50 mm (12"×2")
Weight	Net: 1100 kgs. Approx. Gross: 1500 kgs. Approx.
Shipping Space	3 cu. m. Approx.

中國運輸機械進口公司

四开鉛印机 CJQ 型

使用說明:

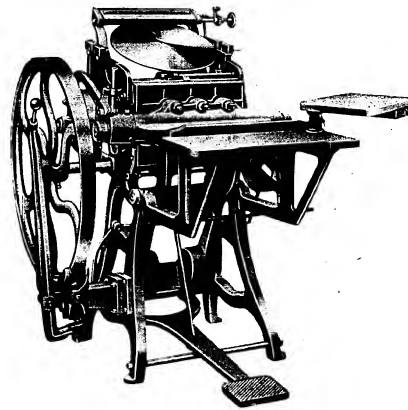
本鉛印机系仿簡活字式，為普通印刷之用。其主要構造，導墨裝置為槓桿傳動，墨箱有導管刀片，能使墨色調和均勻，台動靈活，印品精良，本机可由手柄停止。

其傳動方式：既可使用電力，又可用人力腳踏，適合高速度生產，誠為一般印刷界人士所贊許。

主要規格:

型 号:	CJQ
紙張尺寸:	437 × 610公厘 (18" × 24")
印台尺寸:	483 × 635公厘 (19" × 25")
字盤內側尺寸:	445 × 597公厘 (17½" × 23½")
印刷面積:	432 × 584公厘 (17" × 23")
產 量:	1500—1800張/小時
裝置面積:	1829 × 1270公厘 (72" × 50")
皮帶盤尺寸: 直徑 × 寬	305 × 51公厘 (12" × 2")
重 量: (淨重)	約1100公斤
(毛重)	約1500公斤
裝箱尺寸:	約3立方公尺

大二號元盤機 PLATEN PRESS MODEL PP10 for treadle drive



This model has a strongly built vertical bed, a single disc and self-inking apparatus for perfect inking distribution. It is equipped with a device for regulating and throwing off impressions in any position of the platen.

Model	PP10
Chase, inside measurement	254 × 381 mm (10" × 15")
Size of Platen	279 × 406 mm (11" × 16")
Impressions per Hour	1200 to 1800
Installation Floor Space	1422 × 1219 mm (56" × 48")
Weight	Net: 530 kgs. Approx. Gross: 650 kgs. Approx.
Shipping Space	1.7 cu. m. Approx.

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CHINA NATIONAL IMPORT & EXPORT CORPORATION

LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

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中國運輸機械進口公司

單捲筒十六版輪轉印報機 RP 1-64

本輪轉印刷機為適合一般每日銷數在 5 萬至 10 萬份報紙之大型報社使用，其印刷之規格與 RP1-32 相同，但印刷範圍為四版寬，故在設計用料方面是經過週密的考慮，本機構造簡明，盡量避免複雜易損之機件，並且裝拆便利，各部管理機件甚易操縱。

本機設計週密裝有自動捲報機壹座及 45° 聯紙器一套，可將四大張報紙捲在一起或二大張一大張半一大張均可任意捲疊使用此為本機之最大特點。墨斗部份可任意調節墨色之濃淡，排墨棍筒乃採用標準硬度之橡膠滾制，彈性耐久不受天氣冷熱之影響。本機可裝鉛版 16 塊，在一四版可套印紅色，所用捲筒紙之標準尺寸為 64" 但 62" 亦可應用。全部棍筒軸承均裝有避塵器，妥為保護，內部儲滿機油，機油消耗量極微。

本機之電氣設備能自動調節速度裝有 35 匹馬力快慢電動機一具發動全機，用電鈕可自動控制速度，停車時有電磁制動器等安全裝置，另有 5 匹馬力之電動機專為引紙之用，且附有手搖發動裝置。

主要規格:

最大印刷面積	1434" × 21"
報紙尺寸 (64" 紙)	22" × 32"
印刷中心	14"
印刷版數	16 版
套色版數	8 版
鉛版厚度	14 公厘
呢布厚度	5 公厘
棍筒速度: 標準	12,500 轉/小時
最高	13,000 轉/小時
需要馬力	35 匹
機器佔位	長、寬、高 (約) 5.3 公尺 × 4.5 公尺 × 2.65 公尺
機器重量	(包括電氣設備) 29,500 公斤
毛重	(包括電氣設備) 32,500 公斤
裝箱尺寸	46.5 立方公尺
附 件	滾鉛版機 (RD-14) 自動刮鉛版機 (RF-14) 熔鉛爐連帶油 (RN-14)

印刷性能:

出報張數	印刷版數	每小時產量(份)	套色版數	捲筒紙
半張	2	100,000	1	64"
一大張	4	50,000	2	64"
一張半	6	25,000	3	64"
二套一張半	12	12,500	6	64"
兩大張	8	25,000	4	64"
四大張	16	12,500	8	64"

14/57 CONFIDENTIAL

單捲筒八版輪轉印報机 RP 1-32 型

本輪轉机为适合一般每日銷数在一万至五万份報紙之中小型報社之用，除印刷報紙外，尚可印刷書報及宣傳品等，整部机器之結構，以堅固耐用操作簡便為原則，工作地位寬暢，操縱機件之地位高度亦适中，便于管理及按裝，本機之印刷部將板，採用新式拱形，全部机器之基本組織有二組鉛版輓筒及印刷輓筒，上部有套色設備，輓筒二端大軸承採用全封閉式，且有偏心調整機構，以便調整軸心之精密度及印刷壓力之用，輓筒長度為二版寬，本輪轉机配有無線帶摺報器一座，報紙經三角板及摺報輓筒，摺成二次後，自動由綫帶送出，出報方式可分一大張（4版）二大張（8版）及兩半張（雙二版）有自動數報器，其記數單位為25份或50份。

本輪轉机所用捲筒紙為單捲式紙寬標準為32"，但31"至34"紙均可應用，捲筒紙裝置有升降設備，既省力又省時，本機尾部有放大地位，使本機兩部在一起可接裝成為16版，雙捲筒輪轉机本輪轉机之動力設備為變速電動機一具，用按鈕遙控其速度，如遇緊急事故有電磁制動器保護機器安全。

技術資料：

最大印刷面積	14 $\frac{1}{2}$ "×21"
報紙尺寸（用32"紙）	22"×32"
紙寬標準	32"
印刷中心	14"
常用鉛版	8
套色鉛版	4
鉛版厚度	14公厘
呢布厚度	5公厘
標準轉數	12,500轉/小時

機器產量：

出報張數	版數	每小時產量（份）	套色版數	捲筒紙寬度
1/2	2	50,000	1	32"
1	4	25,000	2	32"
2	8	12,500	4	32"

需要馬力：	20匹
機器佔位：（長×寬×高）	5×3.5×2.0公尺
附屬設備：烘版機 刮版機 洗版機 洗版機 熔鉛鍋 修版架	
全部重量：包括附屬設備	12,650公斤
毛重：	15,250公斤
裝箱體積：	22.65立方公尺

中國運輸機械進口公司

單捲筒十六版輪轉印報机 RP 1-64

本輪轉印刷机为适合一般每日銷数在5万至10万份報紙之大型報社使用，其印刷之規格與RP1-32相同，但印刷輓筒為四版寬，故在設計用料方面是經過週密的考慮，本機構造簡明，盡量避免複雜易損之機件，並且裝拆便利，各部管理機件甚易維護。

本機設計週密裝有自動摺報機壹座及45°聯紙器一套，可將四大張報紙摺疊在一起或二大張一大張半一大張均可任意摺疊使用此為本機之最大特點。墨斗部份可任意調節墨色之濃淡，摺疊輓筒乃採用標準硬度之橡膠滾制，彈性耐久不受天氣冷熱之影響。本機可裝鉛版16塊，在一四版可套印紅色，所用捲筒紙之標準尺寸為64"但62"亦可應用。全部輓筒輓承均裝有避震器，妥為保護，內部儲滿機油，機油消耗量極微。

本機之電氣設備能自動調節速度設有35匹馬力快慢電動機一具發動全機，用電鈕可自動控制速度，停車時有電磁制動器等安全裝置，另有5匹馬力之電動機專為引紙之用，且附有手搖發動裝置。

主要規格：

最大印刷面積	14 $\frac{1}{2}$ "×21"
報紙尺寸（64"紙）	22"×32"
印刷中心	14"
印刷鉛版	16版
套色版數	8版
鉛版厚度	14公厘
呢布厚度	5公厘
輓筒速度：標準	12,500轉/小時
最高	13,000轉/小時
需要馬力：	35匹
機器佔位：	長·寬·高（約）5.3公尺×4.5公尺×2.65公尺
機器重量：	（包括電氣設備）20,500公斤
毛重：	（包括電氣設備）32,500公斤
容箱尺寸：	46.5立方公尺
附 件：	洗鉛版機（RD-14） 自動刮鉛版機（RF-14） 熔鉛爐連帶爐（RN-14）

印刷性能：

出報張數	印刷版數	每小時產量（份）	套色版數	捲筒紙
半張	2	100,000	1	64"
一大張	4	50,000	2	64"
一張半	6	25,000	3	64"
二套一張半	12	12,500	6	64"
兩大張	8	25,000	4	64"
四大張	16	12,500	8	64"

單捲筒八版輪轉印報機 RP 1-32 型

本輪轉機為適合一般每日銷數在一萬至五萬份報紙之中小型報社之用，除印刷報紙外，尚可印刷書報及宣傳品等，整部機器之結構，以堅固耐用操作簡便為原則，工作地位寬暢，操縱機件之地位高度亦適中，便於管理及按察，本機之印刷部版板，採用新式拱形，全部機器之基本組織有二組鉛版輥筒及印刷輥筒，上部有套色設備，輥筒二端大軸承採用全封閉式，且有偏心調整機構，以便調整軸心之精密度及印刷壓力之用，輥筒長度為二版寬，本輪轉機配有無線帶捲報器一座，報紙經三角板及捲報輥筒，捲成二次後，自動由線帶送出，出報方式可分一大張（4版）二大張（8版）及兩半張（雙三版）有自動數報器，其記錄單位為25份或50份。

本輪轉機所用捲筒紙為單捲式紙寬標準為32"，但31"至34"紙均可應用，捲筒紙裝置有升降設備，既省力又省時，本機尾部有放大地位，使本機兩部在一起可接裝成為16版，雙捲筒輪轉機本輪轉機之動力設備為變速電動機一具，用按鈕遙控其速度，如遇緊急事故有電磁制動器保護機器安全。

技術資料：

最大印刷面積	14 1/4" × 21"
報紙尺寸（用32"紙）	22" × 32"
紙寬標準	32"
印刷中心	14"
常用鉛版	8
套色鉛版	4
鉛版厚度	14公厘
呢布厚度	5公厘
標準轉數	12,500轉/小時

機器產量：

出報版數	版數	每小時產量（份）	套色版數	捲筒紙寬度
1/2	2	50,000	1	32"
1	4	25,000	2	32"
2	8	12,500	4	32"

需要馬力：	20匹
機器佔位：（長×寬×高）	5×3.5×2.0公尺
附屬設備：烘版機 刮版機 澆版機 鍊版機 熔鉛鍋 修版架	
全部重量：包括附屬設備	12,650公斤
毛重：	15,250公斤
裝箱體積：	22.65立方公尺

500 噸液力壓紙版機 PH-II 型

使用說明：

本機為自動式液力壓紙版機，專為压制報紙紙型節省人力，提高印刷質量，尤其是銅版印刷，更能得到精美之印刷效果，用料高貴，構造精密，安全可靠，機身為長圓形整體球墨鑄鐵，上有半圓上平台，下有大小氣缸，活塞工作平台及全部動力及操作設備等，平台工作壓力由一只壓力表用公斤、平方公分及噸位表示，操作用單獨手柄，半自動式管理，每壓一紙型20秒鐘即可。附有壓力計算表。

主要規格：

機器最大壓力：	500噸
報版常用壓力：	260—320噸
最大工作面積：	540×700公厘
需要馬力：	1 1/2 匹
機器佔位：	（長×寬×高）1640×1000×1600公厘
機器重量：（淨重）	約3,800公斤
（毛重）	約4,050公斤
裝箱尺寸：	約2.66立方公尺

電動澆鉛版機：RD-14 型

使用說明：

本機器專為快速省力澆鉛版供給大中小型輪轉機之用，常同RN-14熔鉛爐相聯，使用亦分左手式和右手式兩種任意選擇，在地面上用簡單水泥底腳安裝即可，機座中央有可轉動之內模圓筒，外有半圓形外模，兩邊有紙型機，軋好紙型後，將外模推在圓筒上，即行拉下幫浦手扳壓入鉛熔液，內外模皆用水冷却約二十秒鐘，鉛液凝固，開動機器，拉出外模，接上接合器，手扳圓筒帶鉛版旋轉邊有鋸刀，把鉛頭鋸去，再將外模合上，鉛版即被自動推出，如此連續澆第二版。

主要規格：

鉛版尺寸：	配合輪轉機規格設計
機器產量：	每分鐘一版
需要馬力：	7 1/2 匹
機器佔位：	（連熔鉛爐帶浦）單組（長×寬×高）2×2.5×2公尺
機器重量：	（連熔鉛爐帶浦）單組4,500公斤

10/5/51

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設備專為配合大型輪轉機RP164及RP4-64型制版形鉛版之用，構造極為簡單，任何地位均可安置，有右手式左手式，任意選擇，爐圍爐灶爐門均用鑄鐵所制，中置圓形鉛鍋一只，爐子下部有爐柵，一般用煙煤即可，用煤極省，爐子頂部裝有氣浦一只，浸入鉛熔液內，活塞杆上連接手柄一只向下拉柄，鉛熔液即被活塞上壓鉛液經曲管噴出到達澆版機，每次可澆一塊鉛版。

附 件:

1200°C電偶高溫計.....	1 只
200 φ 公厘風管.....	7 公尺長

主要規格:

鉛鍋容鉛量.....	2,600 公斤
氣浦容量.....	8,600 立方公分
爐柵面積.....	3,726 平方公分
應用燃料.....	煙 煤

自動刮鉛版機：RF-14

使用說明:

本機器為完全自動機床，配合RD-14型澆版機，成為報社必需之整體制版設備，在澆版機鑄出之毛胚鉛版，經本機床刮光內徑，成正確字圓形，厚度平均，適合輪轉機筒之用，機床牆板呈微斜形，鉛版推入機床滑輪，經自動凸輪，進入刮模，即有刮刀轉動刮半內徑及毛尖，再經第二道凸輪鉛版沿滑道經過自動噴水箱冷卻及沖洗，再經第三道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉機，每台刮版機可供二台或三台澆版之用。

主要規格:

刮模直徑:.....	配合報機規格設計
刮刀轉數:.....	6 轉 / 分
刮版速度:.....	3 版 / 分
需要馬力:.....	5 匹
機床佔位:.....	(長×寬×高) 3.7公尺×1公尺×1公尺
機床重量:.....	2,300 公斤

500 噸液力壓紙版機 PH-II 型

使用說明:

本機為自動式液力壓紙版機，專為压制報紙紙型節省人力，提高印刷質量，尤其是銅版圖刊，更能得到精美之印刷效果，用料高貴，構造精密，安全可靠，機身為長圓形整體球墨鑄鐵，上有半圓上平台，下有大小氣缸，活塞工作平台及全部動力及操作設備等，平台工作壓力由一只壓力表用公斤、平方公分及噸位表示，操作用單手柄，半自動式管理，每壓一紙型 20 秒鐘即可。附有壓力計算表。

主要規格:

機器最大壓力:.....	500 噸
報版常用壓力:.....	260—320 噸
最大工作面積:.....	540×700 公厘
需要馬力:.....	1 ½ 匹
機器佔位:.....	(長×寬×高) 1640×1000×1600 公厘
機器重量: (淨重).....	約 3,800 公斤
(毛重).....	約 4,050 公斤
裝箱尺寸:.....	約 2.66 立方公尺

電動澆鉛版機：RD-14 型

使用說明:

本機器專為快速省力澆鑄鉛版供給大、中型輪轉機之用，常同RN-14熔鉛爐相聯，使用亦分左手式和右手式兩種任意選擇，在地面上用簡單水泥底腳安裝即可，機座中央有可轉動之內模圓筒，外有半圓形外模，兩邊有紙型機，軋好紙型後，將外模推在圓筒上，即行拉下帶浦手扳壓入鉛熔液，內外模皆用水冷卻約二十秒鐘，鉛液凝固，開動機器，拉出外模，按上接合器，手扳圓筒需鉛版旋轉邊有鋸刀，把鉛頭鋸去，再將外模合上，鉛版即被自動推出，如此連續澆第二版。

主要規格:

鉛版尺寸:.....	配合輪轉機規格設計
機器產量:.....	每分鐘一版
需要馬力:.....	7 ½ 匹
機器佔位:.....	(連熔鉛爐帶浦) 單組 (長×寬×高) 2×2.5×2公尺
機器重量:.....	(連熔鉛爐帶浦) 單組 4,500 公斤

16/5/51

CONFIDENTIAL

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設備專為配合大型輪轉機RP164及RP4-64型制版形鉛版之用，構造極為簡單，任何地位均可安置，有右手式左手式，任意選擇，爐圍爐址爐門均用鉛鐵所制，中置圓形鉛鍋一只，爐子下部有爐棚，一般用烟煤即可，用煤極省，爐子頂部裝有泵浦一只，浸入鉛熔液內，活塞杆上連接手柄一只向下拉柄，鉛熔液即被活塞上壓鉛液經曲管噴出到達澆版機，每次可澆一塊鉛版。

附 件:

1200°C電偶高溫計..... 1 只
200 φ 公厘烟向管..... 7 公尺長

主要規格:

鉛鍋容鉛量..... 2,600 公斤
泵浦容量..... 8,600 立方公分
爐棚面積..... 3,726 平方公分
應用燃料..... 烟 煤

自動刮鉛版機：RF-14

使用說明:

本機器為完全自動機床，配合RD-14型澆版機，成為報社必需之整體制版設備，在澆版機鑄出之毛坯鉛版，經本機床刮光內徑，成正確半圓形，厚度平均，適合輪轉機筒之用，機床牆板呈微斜形，鉛版推入機床滑輪，經自動凸輪，進入刮模，即有刮刀轉動刮平內徑及毛頭，再經第二道凸輪鉛版沿滑道經過自動噴水箱冷卻及沖洗，再經第三道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉機，每台刮版機可供二台或三台澆版之用。

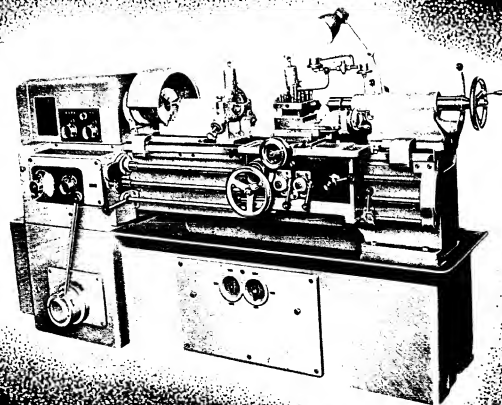
主要規格:

刮模直徑:..... 配合報機規格設計
刮刀軸轉數:..... 6 轉 / 分
刮版速度:..... 3 版 / 分
需要馬力:..... 5 匹
機床佔位:..... (長×寬×高) 3.7公尺×1公尺×1公尺
機床重量:..... 2,300 公斤

CONFIDENTIAL

普通車床
GEARED HEAD LATHE

Model C616



GEARED HEAD LATHE

Model C616

This machine is suitable for general lathe work and thread-cutting of different types of threads in Metric, Whitworth, Module, and Diametral pitches. It is also suitable for turning different kinds of workpieces held between centres and by chuck.

The outstanding features of this machine are its rugged construction, higher spindle speed, and simple operation.

The speed of spindle is controlled by means of the headstock gears housed in the machine base and the backgears of headstock; feeding and thread-cutting are adjusted by means of the feed gear box and change gears.

An interlock is provided to prevent simultaneous engagement of lead screw and feed rod.

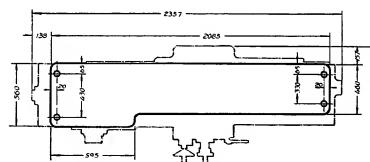
The machine is fitted with protective unit for safety during high speed operation.

Accessories attached with the machine:—face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

SPECIFICATION

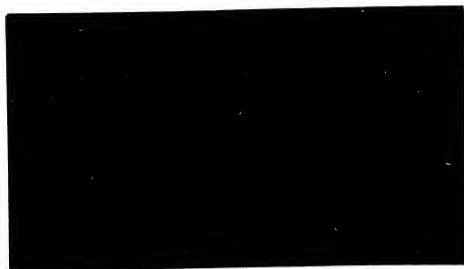
Centre height	160 mm.
Distance between centres	750 mm.
Max. diameter to be turned:	
Swing over cross slide	175 mm.
Swing over bed ways	320 mm.
Thread cutting:	
Metric, pitch	0.5-9 mm.
Whitworth threads	38-2 t.p.i.
Module	0.5-9
Max. travel of carriage	
(by power and manual):	
Longitudinal	850 mm.
Cross	210 mm.

Distance from tool bottom to centre line of spindle	20 mm.
Max. distance, face of tool holder to centre line	185 mm.
Max. size of tool (W x H)	25 x 20 mm.
Dia. of hole in spindle	30 mm.
Taper hole in spindle	Morse No. 5
Taper hole of centre sleeve in tailstock	Morse No. 4
Max. traverse of centre sleeve in tailstock	95 mm.
Max. cross traverse of tailstock	± 10 mm.
No. of spindle speeds (forward and reverse)	12
Range of spindle speed	44-1980 rpm.
No. of feeds of carriage, longitudinal and cross	140
Range of feed of carriage per revolution of spindle:	
Longitudinal	0.06-3.36 mm.
Cross	0.044-2.46 mm.
Motors, A.C., 3 phase.	
For main drive:	
Power	4.3 KW.
Speed	1450 rpm.
For coolant pump:	
Power	0.1 KW.
Speed	2800 rpm.
Overall dimension (L x W x H)	2357 x 856 x 1275 mm.
Net weight	1950 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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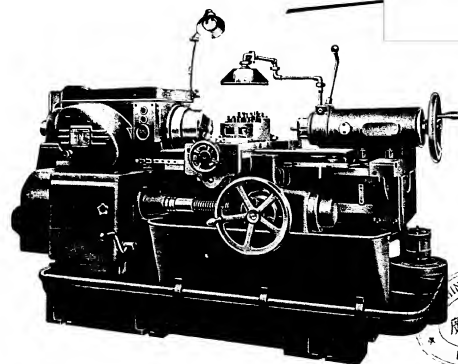
多刀半自動車床

Multi-Cutter

Semi-Automatic Lathe

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Model: C 720
C 730



50X1-HUM



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ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "IMPORT" PEKING

10/5/57

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MULTI-CUTTER SEMI-AUTOMATIC LATHE

Model C720

The machine is suitable for machining external and end surfaces of workpieces such as stepped sleeves, pistons, gear blanks, etc., in lot and mass production.

Profile and taper turning may be effected by utilizing templates.

The machine is equipped with a front tool post (for longitudinal feed) and a rear tool post (for cross feed).

Changes of spindle speeds, longitudinal feeds of front tool post, and cross feeds of rear tool post are obtained through the change gears.

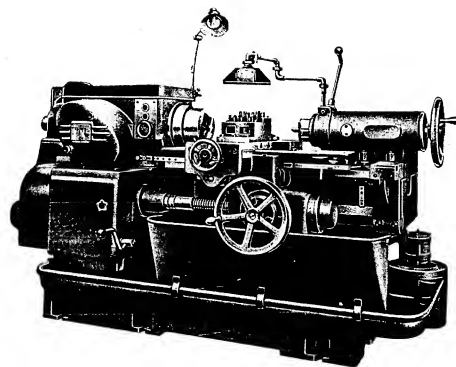
The machine is provided with an interlocking arrangement, which stops the machine automatically at the end of working cycle.

Workpieces are loaded and unloaded by hand.

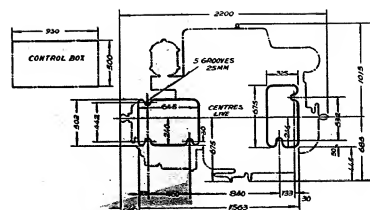
The machine is operated by a single level control.

SPECIFICATION

Centre height	150 mm.
Distance between centres:	
Minimum	0 mm.
Maximum	300 mm.
Max. distance, spindle nose (ϕ 120 mm) to tailstock centre	325 mm.
Max. diameter to be turned:	
Bar material	32 mm.
Swing over carriage	200 mm.
Swing over bed	300 mm.
Max. length to be turned (with 2 pcs. of cutters):	
Using compound tool post	250 mm.
Using single tool post	260 mm.
Max. longitudinal travel of front tool post:	
Compound cutting: Power (working)	100 mm.
Manual (adjusting)	200 mm.
Single cutting: Power (working)	150 mm.
Manual (adjusting)	250 mm.
Max. cross travel of rear tool post:	
Power (working)	90 mm.
Manual (adjusting)	155 mm.
Max. travel of centre sleeve in tailstock	120 mm.
Spindle speeds	105; 131; 154; 196; 236; 296; 354; 442; 532; 680; 794; 1000; rpm.
Longitudinal feeds of front tool post per revolution of spindle	0.07; 0.10; 0.16; 0.23; 0.32; 0.48; 0.72; 1.02 mm.
No. of cross feeds per longitudinal feed	12
Range of cross feeds of rear tool post per revolution of spindle	0.019-2.51 mm.
Motors: 3-phase, A. C.	
for main drive:	Power ... 5.8 KW. Speed ... 1450 rpm.
for coolant pump:	Power ... 0.25 KW. Speed ... 2800 rpm.
Overall dimension (L x W x H)	1800 x 1290 x 1340 mm.
Net weight	1800 kg. approx.



Model C730



MULTI-CUTTER SEMI-AUTOMATIC LATHE

Model C730

This machine is suitable for turning plain and external cylindrical surfaces of workpieces (such as stepped sleeves, pistons, gear blanks, etc.), clamped either between centres or by chuck in large scale as well as in mass production.

When equipped with template, it can also be used for profile and taper turning.

The machine is provided with a front tool slide (for longitudinal feed) and a rear tool slide (for cross feed).

The longitudinal feed of front tool slide, the cross feed of rear tool slide, and the spindle speed are controlled by means of the change gears.

The machine is equipped with an automatic interlock. It stops automatically after the working cycle is completed.

Workpieces are loaded and unloaded manually.

The machine is operated by means of a single hand lever.

SPECIFICATION

Height of centres	200 mm.
Distance between centres:	
Max.	500 mm.
Min.	200 mm.
Max. distance between spindle nose (dia. 185 mm.) and centre of tailstock	580 mm.
Max. diameter to be turned:	
Dia. of bar material	48 mm.
Over tool post	300 mm.
Over bed	410 mm.
Max. length of workpiece to be turned (with two pieces of tools)	460 mm.
Max. longitudinal travel of front tool slide:	
Power (working)	250 mm.
Manual (adjusting)	125 mm.
Max. cross travel of rear tool slide:	
Power (working)	135 mm.
Manual (adjusting)	225 mm.
Max. travel of centre sleeve of tailstock	165 mm.
Spindle speed	40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm.
Longitudinal feed of front tool slide	0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev.
Number of cross feeds per longitudinal feed	12
Range of cross feed by rear tool slide	0.16-2.37 mm/rev.
Motors, A.C., 3 phase	
for Main drive:	Power 10 KW. Speed 1455 rpm.
for Rapid traverse of tool slide:	Power 1 KW. Speed 1425 rpm.
for Coolant pump:	Power 0.15 KW. Speed 2800 rpm.
Overall dimension (L x W x H)	2200 x 1700 x 1420 mm.
Net weight	3000 kg. approx.

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Cable Address: MACHIMPORT Shanghai

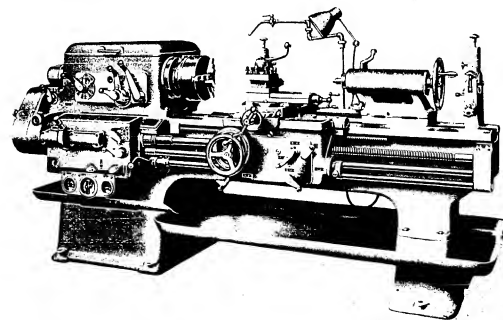
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50X1-HUM

Geared Head Lathe

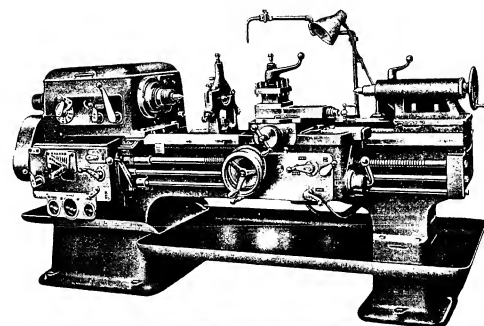


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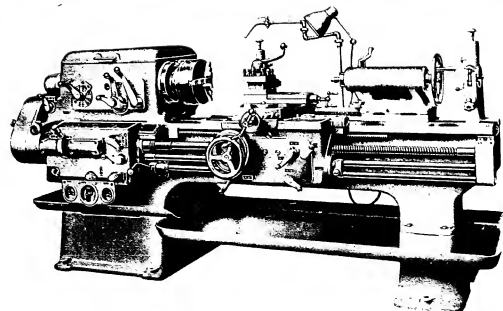
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MODEL C620



GEARED HEAD LATHE



MODEL C620-1

GEARED HEAD LATHE

MODEL C620

This machine is suitable for turning and threading workpieces held between centres and by chuck. It is driven by an individual motor.

Change of spindle speed is obtained through headstock gears; feeds and thread cutting are controlled by quick change gear box.

The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload.

The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop.

An interlock is provided to prevent the simultaneous engagements of leadscrew and feed rod.

Height of centres 200 mm.

Distance between centres 1000; 1500 mm.

Max. diameter to be turned:

Bar material 37 mm.

Swing over carriage 210 mm.

Swing over bed 410 mm.

Max. length to be turned 900; 1400 mm.

Thread cutting:

Metric pitch 1-192 mm.

Whitworth threads per inch 24-2

Module 0.25-48

Diametral pitch 96-1

Max. travel of carriage (by power or manual):

Longitudinal 900; 1400 mm.

Cross 280 mm.

Height from tool bottom to centre line 23 mm.

Max. travel of tool post 100 mm.

Max. swivel of tool post $\pm 45^\circ$

Dia. of spindle bore 38 mm.

Taper of spindle bore Morse No. 5

Taper of hole of centre sleeve Morse No. 4

Max. travel of centre sleeve 150 mm.

Max. cross travel of tailstock ± 15 mm.

Number of spindle speeds:

Forward 18

Reverse 9

Range of spindle speed:

Forward 12-600 rpm.

Reverse 18-760 rpm.

Number of longitudinal and cross feeds of carriage 35

Range of feed of carriage per revolution of spindle:

Longitudinal 0.082-1.59 mm.

Cross 0.027-0.522 mm.

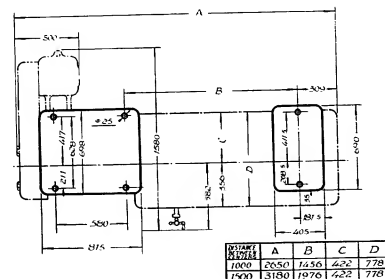
Motor: 3-phase, A.C.

Power 4.5 KW

Speed 1500 rpm.

Overall dimension (L x W x H) 2650; 3180x1580x1220 mm.

Net weight 2240; 2340 kg. approx.



GEARED HEAD LATHE

MODEL C620-I

This machine is suitable for turning and thread-cutting in Metric, Whitworth, Module, and Diametral pitches of workpieces held between centres or by chuck. Its advantages are: big capacity and high spindle speed. It is, therefore, capable of high speed turning with carbide tipped tools.

Change of spindle speed is obtained through headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and pick-off gears.

An attachment for interlocking lead screw and feed rod is provided in the feeding mechanism. The longitudinal travel of carriage, which is driven by the feed rod, may be stopped automatically by the limit stop.

Accessories attached to the machine: face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

SPECIFICATION

Height of centres	200 mm.
Distance between centres	750, 1000, 1500, 2000 mm.
Max. diameter to be turned:	
Round bar	37 mm.
Swing over carriage	210 mm.
Swing over bed	400 mm.
Max. length to be turned (according to distance between centres)	650, 900, 1400, 1900 mm.
Threads that can be cut:	
Metric pitch	1-192 mm.
Whitworth, thread per inch	24-2
Module	0.5-48
Diametral pitch	96-7
Maximum travel of carriage (by manual and power)	
Longitudinal	650, 900, 1400, 1900 mm.
Cross	280 mm.
Distance from tool bottom to centre line of spindle	25 mm.
Max. swivel of tool post	± 45°
Dia. of spindle bore	38 mm.
Taper of spindle bore	Morse No. 5
Max. traverse of centre sleeve tailstock	150 mm.
Max. tailstock set over	± 15 mm.

Taper of tailstock centre sleeve Morse No. 4

No. of spindle speeds:

Forward	21
Reverse	12

Range of spindle speed:

Forward	11.5-1200 rpm.
Reverse	18-1520 rpm.

No. of feeds, longitudinal and cross 35

Range of feeds per revolution of spindle:

Longitudinal	0.08-1.59 mm.
Cross	0.027-0.52 mm.

Motors (3-phase, A.C.).

For main drive:

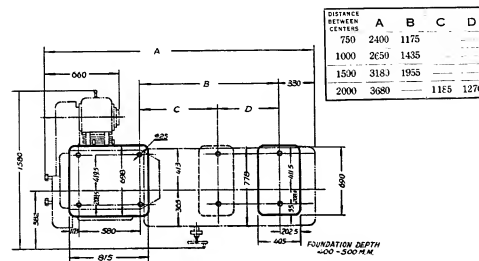
Power	7 KW.
Speed	1440 rpm.

For coolant pump:

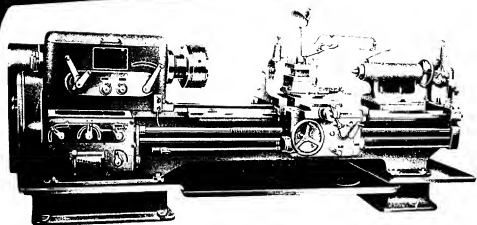
Power	0.125 KW.
Speed	2850 rpm.

Overall dimensions:

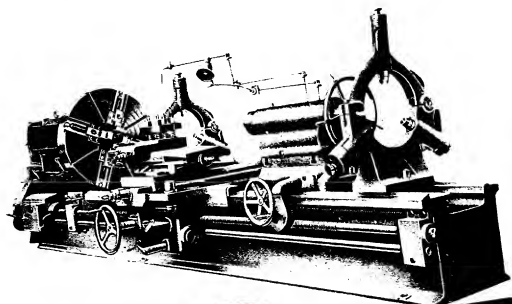
Length	2400; 2650; 3180; 3680 mm.
Width	1580 mm.
Height	1210 mm.
Net weight, approx.	1930; 2010; 2100; 2280 kg.



Model C630



GEARED HEAD LATHE



Model C650

GEARED HEAD LATHE

MODEL C630

This machine is suitable for turning and thread-cutting workpieces held by chuck or between centres. It is driven by an individual motor.

Change of spindle speed is obtained through the use of headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and change box respectively.

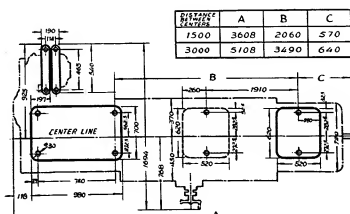
The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload. The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop. The split nut (half nut) is interlocked with the lever for controlling the longitudinal and cross feeds.

Accessories attached to the machine:— face plate, 3-jaw chuck, follow rest, centre rest, centres, etc.

SPECIFICATION

Height of centres	300 mm.
Distance between centres	1500, 3000 mm.
Max. diameter to be turned:	
Round bar	
(passing through the spindle bore)	68 mm.
Swing over carriage	345 mm.
Swing over bed	615 mm.
Max. length to be turned	1310, 2810 mm.
Threads that can be cut:	
Metric pitch	1-224 mm.
Whitworth threads per inch	28-2
Module	0.25-56
Max. traverse of the carriage:	
Longitudinal:	
Power	1310, 2810 mm.
Manual	1510, 3010 mm.
Cross: (by power or manual)	390 mm.

Distance from tool bottom to spindle centre line	32.5 mm.
Max. traverse of tool post	200 mm.
Max. swivel of tool post	$\pm 60^\circ$
Dia. of hole in spindle	70 mm.
Taper hole in spindle	Metric 80
Taper hole of sleeve in spindle	Morse No. 5
Taper hole of centre sleeve in tailstock	Morse No. 5
Max. traverse of the centre sleeve	205 mm.
Max. tailstock set over	± 15 mm.
No. of spindle speeds	18
Range of spindle speed:	
Forward	14-750 rpm.
Reverse	22-945 rpm.
No. of longitudinal and cross feeds	26
Range of feed per revolution of spindle:	
Longitudinal	0.15-2.65 mm.
Cross	0.05-0.9 mm.
Motors: 3-phase, A.C.	
For main drive:	
Power	10 KW.
Speed	1455 rpm.
For coolant pump:	
Power	0.125 KW.
Speed	2700 rpm.
Overall dimension (L x W x H)	3608 x 1695 x 1275 mm.
	5108 x 1695 x 1275 mm.
Net weight approx.	3450 kg.
	3920 kg.



GEARED HEAD LATHE MODEL C650

This machine is suitable for turning large workpieces held between centres or by chuck.

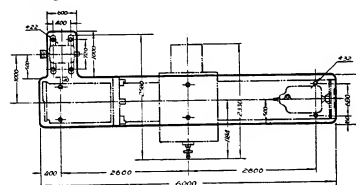
Twelve spindle speeds are obtainable through the gear box. The feed box having twenty-four different feeds is capable of cutting Metric, Whitworth, and Module threads.

Drop-down worm mechanism protects the machine from overload. The tailstock may be adjusted along the bed by means of hand wheel through rack.

Accessories attached to the machine:-

4-jaw chuck, centre rest, follow rest, centres, etc.

Height of centres	500 mm.
Distance between centres	3000 mm.
Max. working diameter:	
Swing over tool post	645 mm.
Swing over carriage	730 mm.
Swing over bed	1020 mm.
Bar material (passing through spindle bore)	97 mm.
Max. working length	2250 mm.
No. of feeds	24
Range of feed per revolution of spindle:	
Longitudinal	0.225-3.15 mm.
Cross	0.114-1.6 mm.
Threads that can be cut:	
Metric pitch	1-224 mm.
Whitworth threads per inch	28-2
Module	0.25-56
No. of spindle speeds	12
Range of spindle speed	4.25-194 rpm.
Motors: 3-phase, A.C.	
for main drive:	
Power	20 KW.
Speed	1450 rpm.
for coolant pump:	
Power	0.15 KW.
Speed	2700 rpm.
Overall dimension (L x W x H)	6000 x 2580 x 1620 mm.
Net weight	10500 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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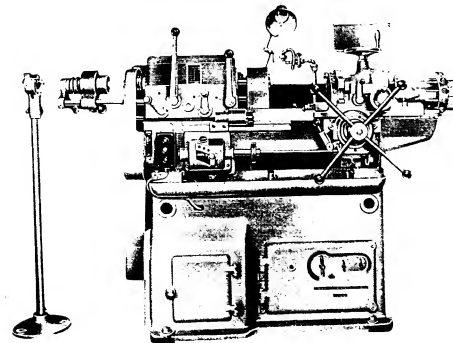
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50X1-HUM

Swivel Lathe

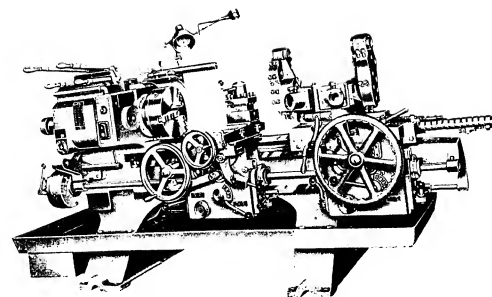
六角車床



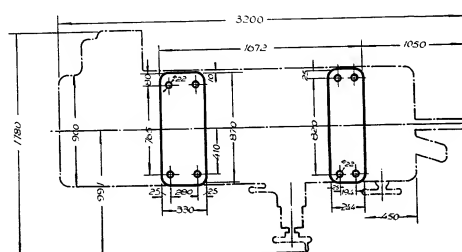
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Model C365L



TURRET LATHE

Model C365L

This machine is suitable for turning workpieces which require a series of successive operations such as cylindrical turning, thread cutting, etc. The workpiece is held either in a three-jaw chuck or other work-holding fixtures. The necessary tools are held by collets inside the G holes of turret or set on a 4-way tool holder of cross slide. The machine is driven by an individual motor.

The spindle speed is controlled by headstock gears, and the feeds of turret and cross slide by feed gear box underneath the apron.

The rotation of spindle is reversible.

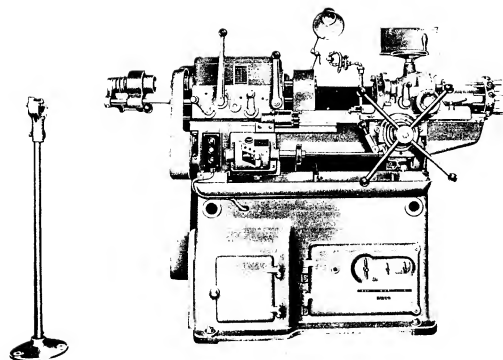
The turret saddle is provided with reversible power feed, hand travel and power rapid traverse with automatic disengagement at the end of the back stroke. It is also provided with automatic limit stops for stopping feeds. The feed mechanism is provided with automatic overload release. Turret saddle, cross slide, and stop-drum can be simultaneously adjusted by hand to the required positions.

The cross slide is capable of longitudinal and cross feeds, and can be automatically disengaged by means of the limit stops. It is provided with stop-drum, on which 6 stops are intended for stopping longitudinal feeds and one for stopping the cross feeds.

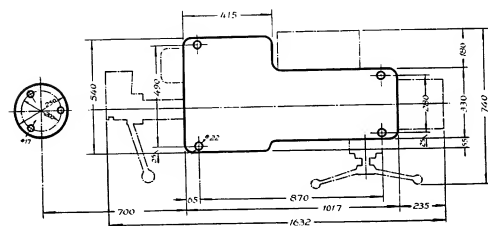
By means of work-holding fixtures, tapers, grooves, and threads can also be machined on this lathe.

SPECIFICATION

Height of centre of spindle	210 mm.
Distance between end of spindle and turret face:	
Min.	260 mm.
Max.	177 mm.
Maximum swing (for chucking work):	
Over bed ways	440 mm.
Over cross slide	350 mm.
Over carriage	420 mm.
Maximum longitudinal travel of turret (by manual or power)	917 mm.
Maximum travel of cross slide (by manual or power):	
Longitudinal	1012 mm.
Cross	259 mm.
No. of spindle speeds	12
Range of spindle speed:	
Forward	44-1000 rpm.
Reverse	48-1094 rpm.
No. of cross and longitudinal feeds	16
Range of feeds of turret and cross slide per revolution of spindle:	
Longitudinal	0.07-2.29 mm.
Cross	0.03-1.00 mm.
Motor (3-phase, A.C.):	
Power	10 KW.
Speed	1500 rpm.
Overall dimension (L x W x H)	3200 x 1780 x 1450 mm.
Net weight	2980 kg. approx.



Model C325



TURRET LATHE

Model C325

This machine is suitable for turning all kinds of rods fixed on the spring collet or in the chuck. Cutters are secured at the 12 holes on the turret.

This machine is driven by an electric motor.

By means of the templates, profile turning can be carried out when the longitudinal feed of turret and the cross feed are taking place simultaneously.

The spindle speed is controlled by headstock gear box and the longitudinal feed by feed gear box.

The longitudinal feed can be automatically disengaged by means of the adjustable limit stop.

SPECIFICATION

Height of centers	115 mm.
Distance between end of spindle and turret face	90-100 mm.
Diameter of hole in spindle	26 mm.
Max. size of bar material:	
Round (diameter)	25 mm.
Square (side)	18 mm.
Hexagonal (side)	21 mm.
Max. turning length	150 mm.
Max. diameter of work held in chuck:	
Over turret slide	250 mm.
Over bed ways	300 mm.
Max. longitudinal travel of turret	330 mm.
No. of spindle speeds	6
Range of spindle speed	140-1380 rpm.
No. of longitudinal feeds of turret	4
Range of feed per revolution of spindle	0.06-0.25 mm.
Motor (3-phase, A.C.):	
Power	2.2 KW.
Speed	1450 rpm.
Overall dimension (L x W x H)	1815 x 740 x 1290 mm.
Net weight	900 kg. approx

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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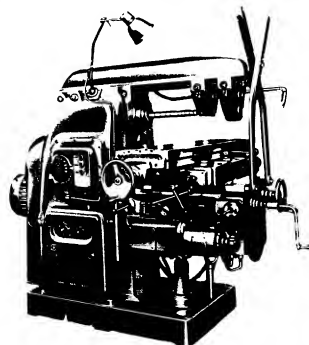
CANTON OFFICE: No. 2, West Bund Road, Canton
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Horizontal Milling Machine

MODEL X62



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臥式銑床

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

100,000,000 CHANG PEKING CHINA — CABLE ADDRESS: MACHIMPORT PEKING

HORIZONTAL MILLING MACHINE MODEL X62

This machine is a superior miller equipped with high grade electric control device, and suitable for multi-purpose, general, and complicated milling operations. It may be adopted in small and big workshops, as well as automobile manufacturing plants.

Outstanding features:-

1. Rigid construction, ample power, high speeds, and capability of using carbide cutting tools for high speed cutting.
2. Working table, being equipped with automatic start, automatic stop, intermittent and reciprocating motions for the automatic working cycle, is suitable for lot or mass production.
3. Hand levers and push buttons for operating the machine are mounted on both the left and front sides of machine.
4. The start and stop of spindle and the rapid traverse of working table are all controlled by means of push buttons, while the working table may be driven by power or by hand.
5. Spindle and feed are driven separately, change of speeds and feeds are obtained through the selection dials of gear box and feed box.
6. There is a device for eliminating backlash between table feed screw and half-nut, thus clean cutting may be accomplished. Accessories: Arbor and spanners etc.

Main dimensions:

Distance, centre line of spindle to top of table:	
Minimum	30 mm.
Maximum	450 mm.
Distance, centre of table to bedways:	
Minimum	205 mm.
Maximum	455 mm.
Distance, centre line of spindle to overarm:	155 mm.

Working table:-

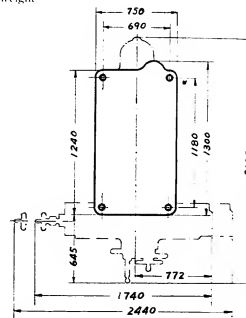
Working surface of table (L x W)	1250x320 mm.
Max. table travel:	
Longitudinal	700 mm.
Cross:	Power 230 mm.
Manual	250 mm.
Vertical:	Power 400 mm.
Manual	420 mm.

Mechanical capacity:-

Number of spindle speeds	18
Range of spindle speed	30-1500 rpm.
Number of longitudinal, cross, and vertical table feeds	18
Range of longitudinal, cross, and vertical table feeds	19-950 mm min.
Range of vertical feed	1.3 longitudinal feed
Rapid traverse speed of working table:	
Longitudinal	2300 mm min.
Cross	2300 mm min.
Vertical	770 mm min.

Drive, overall dimension and weight:-

Motors:	3-phase, A.C.	
for main drive:	Power 7 KW.	
	Speed 1415 rpm.	
for feeding:	Power 2.8 KW.	
	Speed 1410 rpm.	
for coolant pump:	Power 0.125 KW.	
	Speed 2800 rpm.	
Overall dimension (L x W x H)	2110x1740x1615 mm	
Net weight	3000 kg. approx.	



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shen Road E1
Cable Address: MACHIMPORT Shanghai

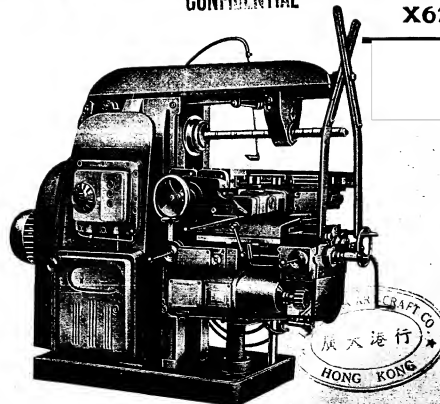
CANTON OFFICE: No. 2, West Bund Road, Canton
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万能铣床 *Universal* Milling Machine

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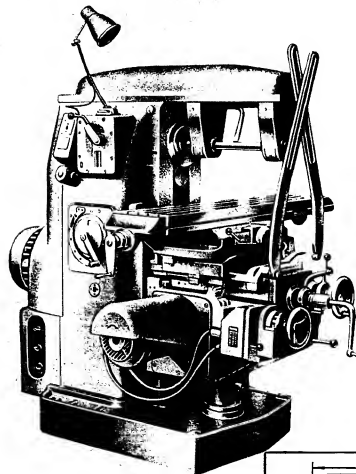
Model
X61W
X62W



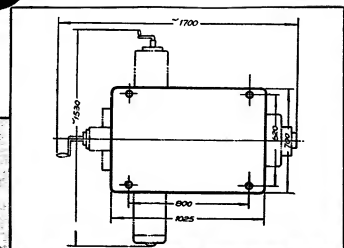
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)
ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: MACHIMPORT PEKING

Universal Milling Machine



Model X6IW



UNIVERSAL MILLING MACHINE

Model x 61W

This machine is designed for milling various workpieces, using cylindrical cutters, disc cutters, angle cutters, or forming cutters.

The employment of the universal dividing head increases the variety of work that may be assigned to the machine including spur, helical gears, and helices.

The spindle and the table are driven by individual motors.

The table can make normal and rapid traverse in all three directions (longitudinal, cross, and vertical).

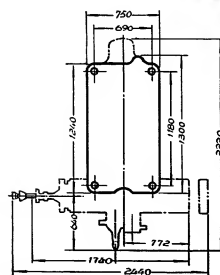
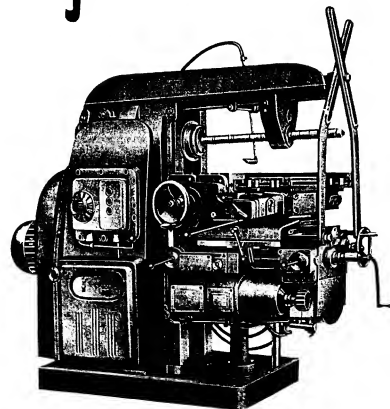
The working table operates in an automatic cycle, continuous or intermittent, to the longitudinal movement of the table.

The normal movement of table is driven by mechanical system controlled by a hand lever.

The machine, being equipped with ample power and rigid construction, is capable of high speed cutting.

SPECIFICATION

Distance between centre of spindle and table:—	
Minimum	0 mm.
Maximum	350 mm.
Distance between centre of spindle and overarm	150 mm.
Working surface of table (L×W)	1000×250 mm.
Max. table travel:—	
Longitudinal	650 mm.
Cross	200 mm.
Vertical	350 mm.
Table swivel (max.)	± 45°
Number of spindle speeds	16
Range of spindle speed	65-1800 rpm.
Number of longitudinal, cross and vertical feeds:	16 each
Range of feeds:—	
Longitudinal	27-815 mm/min.
Cross	20-630 mm/min.
Vertical	10-310 mm/min.
Motors:— 3-phase, A.C.	
Power	3.2 KW. 1.0 KW. 0.1 KW.
Overall dimension (L×W×H)	2100×1800×1900 mm.
Net weight	2100 kg. approx.

UNIVERSAL
Milling Machine

MODEL X 62W

UNIVERSAL MILLING MACHINE

Model x62W

This machine is capable of various kinds of milling operations, using cylindrical cutters, angle cutters, disc cutters, forming cutters, etc.

With the employment of the universal dividing head, the machine may be further used for milling spur and cylindrical gears and helixes.

Because of its ample power, rigid construction, and higher spindle speed, the machine may use various carbide cutting tools.

Changes of spindle speed and table feed are obtained through the selection dials of headstock gears and feed gear box.

The machine can also operate in an automatic milling cycle, continuous or intermittent, to the longitudinal movement of the table. This justifies the reasonable utilization of the machine in mass production.

Due to the provision of a climb cutting device, the machine is capable of handling either climb or conventional milling operation.

Accessories attached to the machine:—dividing head, tailstock, arbor, etc.

SPECIFICATION

Distance between centre line of spindle and

table:

Min. ... 30 mm.

Max. ... 400 mm.

Distance between vertical guide way and

centre of table:

Min. ... 205 mm.

Max. ... 455 mm.

Distance between centre line of spindle and

overarm ... 155 mm.

Working surface of table (L x W) ... 1250 x 320 mm.

Maximum table travel

Longitudinal:

Power ... 700 mm.

Manual ... 700 mm.

Cross:

Power ... 230 mm.

Manual ... 250 mm.

Vertical:

Power ... 350 mm.

Manual ... 370 mm.

Distance between "T" slots ... 70 mm.

Max. table swivel ... $\pm 45^\circ$

No. of spindle speeds ... 18

Range of spindle speed ... 30-1500 rpm.

Table feed:

Number ... 18

Longitudinal ... 19-950 mm/min.

Cross ... 19-950 mm/min.

Ratio, vertical and longitudinal ... 1/3

Rapid traverse speeds of table:

Longitudinal ... 2300 mm/min.

Cross ... 5300 mm/min.

Vertical ... 770 mm/min.

Motors: 3-phase, A.C.

Main drive motor:

Power ... 7 KW.

Speed ... 1445 rpm.

Feed motor:

Power ... 2.8 KW.

Speed ... 1440 rpm.

Overall dimension (L x W x H) ... 2100 x 1740 x 2000 mm.

Net weight ... 3100 kg. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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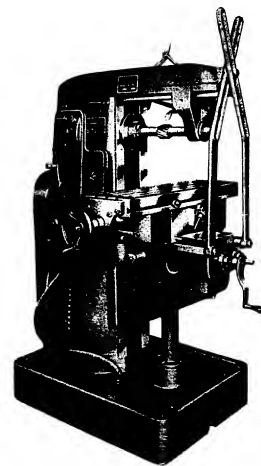
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HORIZONTAL MILLING MACHINE^{50X1-HUM}
Model X602



臥式銑床



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOU, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

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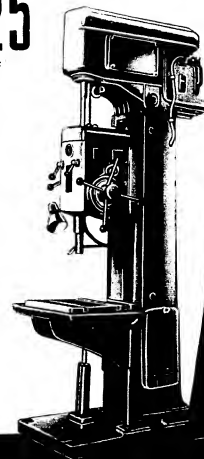
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Vertical Machine Model Z525

立式鑽床



THE CHINA MACHINE TOOL CO.
廣大洋行

CHINA NATIONAL

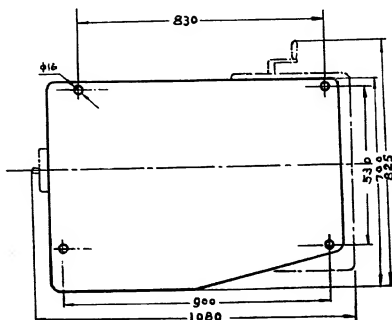
ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

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VERTICAL DRILLING MACHINE MODEL Z525

This machine is suitable for drilling, reaming, facing and tapping operations in repair shops or tool rooms for single piece or small scale production.

Drilling capacity:	
Max. diameter	25 mm.
Max. depth	175 mm.
Distance, centre line of spindle to column	250 mm.
Max. distance spindle nose to table	700 mm.
Number of spindle speeds	9
Range of spindle speed	96.5-1350 rpm.
	(68-950; 132-1850; or 187-2620 rpm. available on special request)
Range of spindle feed	0.1-0.81 mm/rev.
Electric Motor:	3-phase, A.C.
Power	2.8 KW.
Speed	1420 rpm.
Overall dimensions (LxWxH)	1060x825x2295 mm.
Net weight	1025 kg. approx.



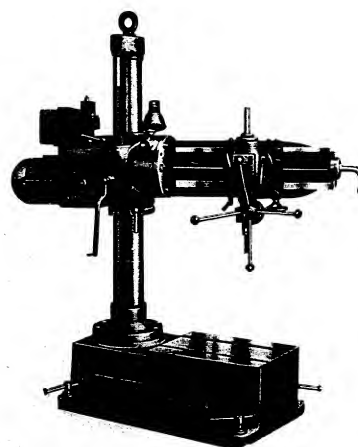
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specifications.

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50X1-HUM

Portable Radial Drilling Machine MODEL Z 32K



移動式

搖臂鑽床

14/1/51

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOU, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

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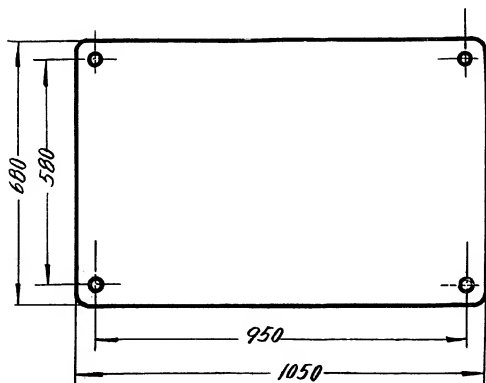
PORTABLE RADIAL DRILLING MACHINE

MODEL Z32K

This machine is intended for drilling operations on heavy and box like workpieces during erection and installation. It can be moved (with base of the machine on rollers) or shifted by crane to the workpieces. By swivelling the cross arm and the spindle head stock, the spindles can be adjusted to operate on plane of any inclination.

SPECIFICATION

Max. drilling capacity	25 mm.
Distance, centre of spindle to column:	
Maximum	815 mm.
Minimum	315 mm.
Distance, spindle nose to bedplate:	
Maximum	870 mm.
Minimum	25 mm.
Taper of hole in spindle	Morse No. 2
Max. travel of spindle (manual)	130 mm.
Max. horizontal travel of spindle headstock (manual)	500 mm.
Max. swivel of spindle headstock	360°
Max. travel of arm (manual)	840 mm.
Max. swivel of arm around vertical centre line of column	360°
Max. swivel of arm around horizontal centre line of arm	360°
Spindle speed	175, 432, 693, 980 rpm.
Motor: 3-phase, A.C., flanged:	
Power	1.7 KW.
Speed	1430 rpm.
Overall dimensions (L x W x H)	1800 x 680 x 2000 mm.
Net weight	780 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

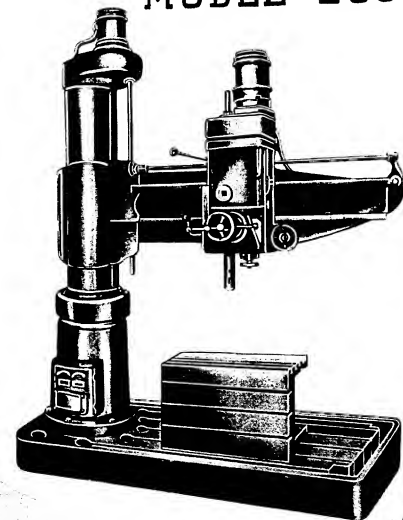
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Radial Drilling Machine

50X11-HUM

MODEL Z33



旋臂鑽床

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
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ER-LIAOYU, HSICHIAO, PEKING, CHINA

CABLE ADDRESS: "CHIN PORT" PEKING

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RADIAL DRILLING MACHINE

MODEL Z33

This machine is used for drilling, counter-boring, reaming, boring and tapping. The spindle is driven by a reversible motor. Feeds are performed either automatically or by hand.

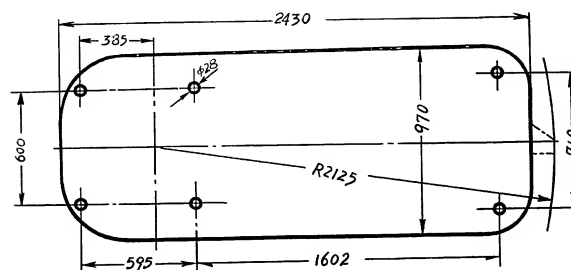
The spindle box moves horizontally along the arm and may be locked in any position by hand. The lifting of the arm along the column is effected by a single electric motor. It is released or clamped automatically at starting and stopping of the motor. The arm can be swivelled around the column by hand.

The change of spindle speed is obtained through the change-gear box, and change of feed rate through the feed box.

Max. drilling capacity	35 mm.
Distance, centre of spindle to column (overhang):	
Minimum... ..	450 mm.
Maximum	1500 mm.
Distance, spindle nose to table:	
Minimum... ..	0 mm.
Maximum	1000 mm.
Distance, spindle nose to base:	
Minimum... ..	500 mm.
Maximum	1500 mm.
Spindle travel (power or manual)... ..	330 mm.
Taper in spindle bore	Morse No. 4
Vertical travel of spindle head	1050 mm.
Max. vertical travel of arm on column	689 mm.
Max. swivel of arm on column	360°
Vertical rapid travel speed of arm	1.2 m/min.
No. of spindle speeds	12
Spindle speed range	45-2090 rpm.
No. of spindle feeds	12.
Spindle feed range	0.03-1 mm/rev.

Electric Motors: 3-phase, A.C.

drilling motor:	Power	... ..	3.2 KW.
	Speed	... ..	1450 rpm.
elevating motor:	Power	... ..	1.5 KW.
	Speed	... ..	1425 rpm.
coolant pump motor:	Power	... ..	0.125 KW.
	Speed	... ..	2800 rpm.
Overall dimensions (L x W x H)	... ..	2500 x 970 x 3350	mm.
Net weight	... ..	4100 kg.	approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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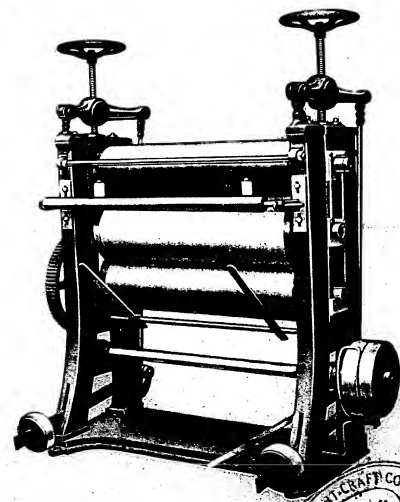
BRANCHES	
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CANTON OFFICE:	No. 2 West Bund Road, Canton Cable Address: MACHINERY Canton

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50X1-HUM

THREE BOWL Calender



蒸汽軋光機

中國通商貿易公司

4/2/37



THE LUNDA MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

25-27, 209, 211, CHAO, PEKING, CHINA - CABLE ADD: TEANEHACH - 122111

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蒸汽軋光機
THREE BOWL CALENDER

This calender is employed for the purpose of giving density and lustre to knitted fabrics, after which the fabrics are slitted and made into underwears.

Side frames and driving wheels are of robust construction. The upper bowl is made of chilled cast iron and steam heated, the middle bowl of paper, and the bottom bowl of chilled cast iron. The bearings of the bowls fit into the channel shaped side frames. The pressure on the bowls is obtained by means of lever and weights. By withdrawing the belt, the bearings may be pulled apart and the bowls released. The machine is driven by an electric motor through V-belts and provided with a friction clutch. It is necessary to install separately a spreading roller (with wooden floating strips) and also a winding roller.

The bearings for the bowls are brass bushed. See that they are properly lubricated.

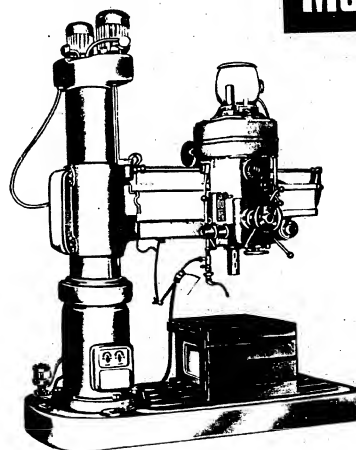
Width of Bowls	...	...	...	40"
Bowl Speed	...	...	...	75 rpm
Grooved Pulley of Calender	...	...	...	13" pitch dia.
				3 pcs. V-belt A-42
Power Required	...	...	...	3 HP
Production, Based on 8 hours	...	...	...	3000 yards
Floor Space: Installation floor space	...	...	...	2'0" x 6'6"
Working space required	...	...	...	8'0" x 12'0"
Weight	Net 1090 lbs. approx.
				Gross 2590 lbs. approx.
Shipping Space	64.52 cu. ft. approx.

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Radial Drilling Machine

Model Z35



旋臂鑽床

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

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16/3/53

RADIAL DRILLING MACHINE MODEL Z35

This machine is used for drilling, counter sinking, reaming, boring and tapping.

Spindle speed and feed are controlled respectively by the gear box and the feed box. Rotation of the spindle can be reversed by reversing the rotation of the motor. The spindle feed is operated by power and its rapid traverse by hand.

A single motor is used for the automatic lifting of the arm.

Clamping and release of arm on vertical column and that of spindle head on arm are accomplished by hydraulically controlled devices. The spindle head can also be clamped by hand. The swivel of arm around column and the horizontal traverse of spindle head along guide way of arm are rendered by hand.

The machine is provided with 4 motors.

Max. drilling diameter 50 mm.

Distance, centre line of spindle to column:

Minimum	450 mm.
Maximum	1500 mm.

Distance, spindle nose to working table:

Minimum	0 mm.
Maximum	1000 mm.

Distance, spindle nose to baseplate:

Minimum	470 mm.
Maximum	1500 mm.

Taper hole of spindle Morse No. 5

Max. traverse of spindle 350 mm.

Max. traverse of spindle head on arm 1050 mm.

Max. traverse of arm on column 680 mm.

Max swivel of arm 360°

No. of spindle speeds 18

Range of spindle speeds:

Forward	30-1500 rpm.
Reverse	34-1700 rpm.

No. of spindle feeds 18

Range of feed per spindle revolution 0.03-1.2 mm.

Motors: 3-phase, A.C.

for driving spindle:	Power	4.5 KW.
	Speed	1500 rpm.

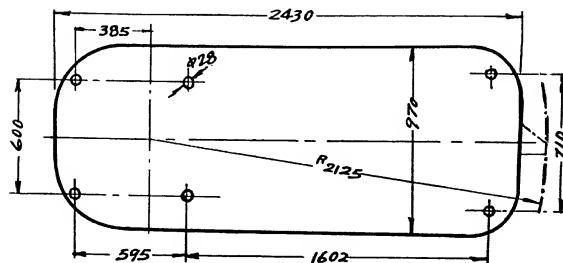
for lifting arm:	Power	1.7 KW.
	Speed	1500 rpm.

for clamping arm:	Power	0.6 KW.
	Speed	1500 rpm.

for coolant pump:	Power	0.125 KW.
	Speed	2800 rpm.

Overall dimension (LxWxH) 2610x970x3000 mm.

Net weight 4300 kg. approx.



N.B.—For improvements of the machine, we reserve the right to alter either the design or the specification.

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BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 22 Chung Shan Road E.I
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CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY, Canton

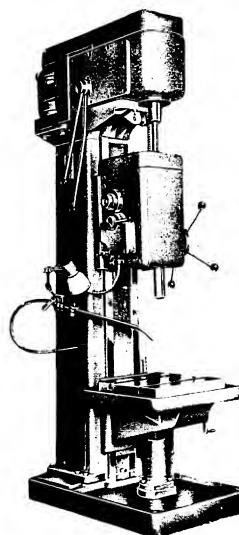
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50X1-HUM

立式鑽床

Vertical Drilling Machine



MODEL Z 518
Z 535

HONG KONG

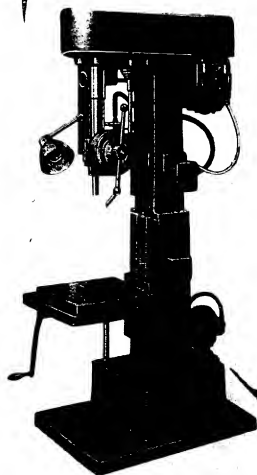
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA. TELE ADD: "MACHIMPORT" PEKING

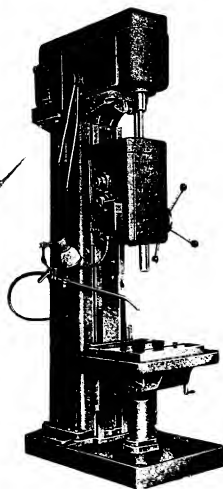
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Vertical Drilling Machine

MODEL Z535



MODEL Z518



立式鑽床 VERTICAL DRILLING MACHINE MODEL Z518

This machine is suitable for drilling various kinds of metals such as steel, cast iron, non-ferrous metals, etc.

SPECIFICATION

Capacity:—	
Max. diameter of bore in cast iron	18 mm.
Max. diameter of bore in steel	16 mm.
Spindle:—	
Max. travel of spindle	150 mm.
Taper hole in spindle	Morse No. 2
Spindle length outside of sleeve	200 mm.
Working table:—	
Working surface (L × W)	350 × 350 mm.
Vertical travel	450 mm.
Distance, spindle nose to table:	
Minimum	30 mm.
Maximum	650 mm.
Machine mechanism:—	
No. of spindle speeds	6
Range of spindle speed	310-2975 rpm.
Feed per revolution of spindle	0.2 mm.
Motor: 3-phase, A.C.	
Power	1 KW.
Speed	930 rpm.
Overall dimension (L × W × H):—	900 × 600 × 1720 mm.
Weight	430 kg. approx.

VERTICAL DRILLING MACHINE MODEL Z535

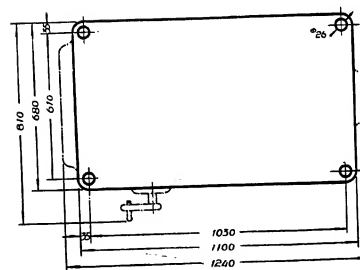
The Z535 Vertical Drilling Machine is designed for drilling, boring and reaming operations on single piece or quantity production work.

SPECIFICATION

Max. drill diameter	.....	35 mm.
Max. drill depth	.....	225 mm.
Working surface of table (L x W)	..... 450	500 mm.
Vertical travel of table	.....	380 mm.
Distance, centre of spindle to column	.....	300 mm.
Max. vertical spindle head adjustment	.....	200 mm.
Max. vertical spindle travel	.....	225 mm.
Number of spindle speeds	.....	12
Range of spindle speed	.....	63-1400 rpm.
Number of spindle feeds	.....	12
Range of spindle feed	.....	0.115-1.6 mm/rev.
Drive, 3 phase, A. C. motor:		
Main drive: Power	.....	4.5 KW.
Speed	.....	1440 rpm.
Coolant pump: Power	.....	0.125 KW.
Speed	.....	2800 rpm.
Overall dimension (L x W x H)	..... 1300 x 835 x	2570 mm.
Net weight	.....	1700 kg. approx.

VERTICAL DRILLING MACHINE

MODEL Z 535



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

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平面磨床

*Hydraulic Surface
Grinding Machine*
MODEL M7130

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT"

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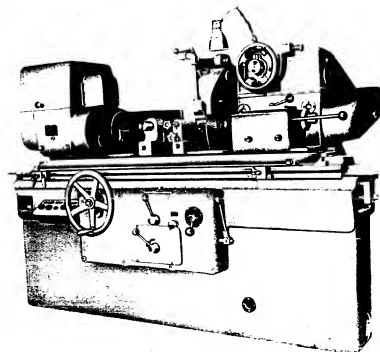
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50X1-HUM

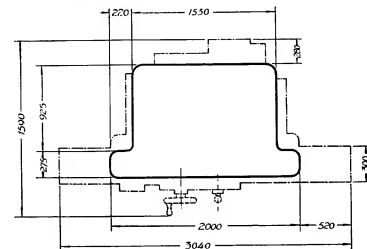
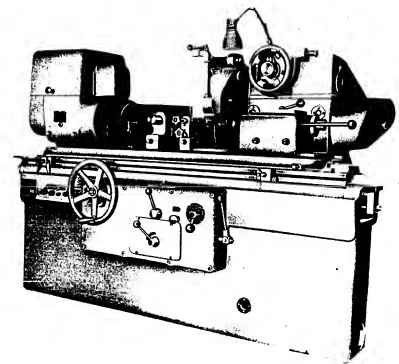
Cylindrical Grinding Machine
MODEL M115
M125 外园磨床



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: MACHIMPORT PEKING

CONFIDENTIAL

Model M115



Model M125

HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M115

This machine is designed for plain cylindrical and taper grinding of workpiece up to 150 mm in diameter and 750 mm in length.

During operation, the workpiece is held between the dead centres and is driven by a driving dog fixed in the headstock face plate.

The upper working table may be swivelled to a desired degree for taper grinding. The machine is equipped with hydraulic drive unit, by means of which the following functions are made possible:-

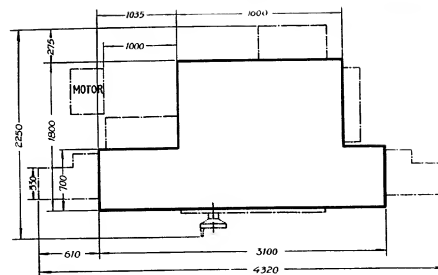
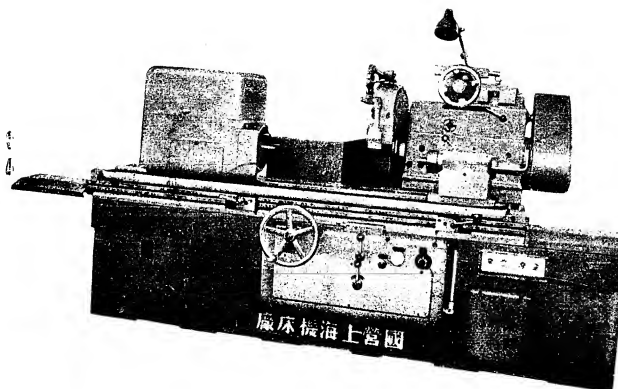
(1) The longitudinal travel of table.

(2) The rapid advance and back movement of grinding wheel and the intermittent feed of grinding wheel during the travelling of table.

The machine is fitted with hand-operated table travelling mechanism and grinding wheel feeding mechanism. The wear of grinding wheel can be compensated after adjustment. The electric system consists of four independent motors.

SPECIFICATION

- Main dimensions:**
 - Height of centres (over table) 125 mm.
 - Max. distance between centres 750 mm.
 - Distance between centre line of grinding wheel spindle and centres:
 - Max. 425 mm.
 - Min. 225 mm.
- Size of Working Table:**
 - Diameter of workpiece that can be ground:
 - Max. (with centre rest) 60 mm.
 - Max. (without centre rest) 150 mm.
 - Min. 0 mm.
 - Max. length of workpiece that can be ground 750 mm.
 - Working table, headstock and tailstock:
 - Max. longitudinal travel of table (hydraulic & manual) 780 mm.
 - Max. swivel of table 5°
 - Taper in centres of headstock and tailstock Morse No. 4
- Wheelhead:**
 - Max. travel of wheelhead: Manual 150 mm.
 - Power 50 mm.
 - Graduation of cross feed dial 0.005 mm.
 - Dimensions of grinding wheel:
 - Max. diameter 600 mm.
 - Min. diameter 450 mm.
 - Width 60 mm.
 - Bore 305 mm.
- Capacity of Machine:**
 - Work spindle speeds 75, 150, 300 rpm.
 - Traverse speed of table (hydraulic):
 - Max. 10 m/min.
 - Min. 0.08 m/min.
 - Feed rate for rapid advance and back movement of wheelhead 2 m/min.
- Motors: 3 phase, A.C.**
 - for Wheelhead:
 - Power 5.8 KW.
 - Speed 1500 rpm.
 - for Work spindle:
 - Power 0.8 KW.
 - Speed 1000 rpm.
 - for Hydraulic pump:
 - Power 1.7 KW.
 - Speed 1400 rpm.
 - for Coolant pump:
 - Power 0.05 KW.
 - Speed 3000 rpm.
- Overall dimension**
 - (L x W x H) 2260 x 1590 x 1770 mm.
- Net weight:** 3900 kg. approx.



HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M125

This machine is intended for grinding cylindrical and tapered surfaces of workpieces up to 250 mm. in diameter and 1000 mm. in length.

The workpiece is set on two dead centres and rotated by means of a driving dog on the face plate. In grinding tapers, the working table can be swivelled to fit the work.

The machine is equipped with hydraulic driving system, by means of which the following functions are made possible:—

- 1) Reciprocating movement of table.
- 2) Rapid feed and withdrawal of grinding wheel.
- 3) Intermittent feed of grinding wheel.

The machine enables grinding up to the limit stop and provides means for compensating wheel wear.

SPECIFICATION

1. Capacity:—		
Max. distance between centres	.....	1000 mm.
Length of workpiece that can be ground	.....	1000 mm.
Height of centres from table	.....	100 mm.
Height of centres from floor	.....	1000 mm.
Max. diameter of workpiece that can be ground with grinding wheel of ϕ 750 mm.	.....	250 mm.
Min. diameter of workpiece that can be ground	.....	10 mm.
Overall dimension (L x W x H)	.....	4320 x 2225 x 1500 mm.
Net weight	.....	6000 kg.
2. Working table and bed:—		
Max. longitudinal traverse of table	.....	1085 mm.
Table traverse per revolution of hand-wheel: Rapid	.....	24 mm.
..... Slow	.....	4 mm.
Hydraulic table traverse speed	.....	0.1-10 m/min.
Max. table swivel	.....	7°
	.....	1:10 inclination
3. Carriage for grinding wheel:—		
Grinding wheel dimensions: Minimum diameter	.....	500 mm.
..... Maximum	.....	750 mm.
..... Face	.....	75 mm.
..... Hole	.....	305 mm.
No. of spindle speeds	.....	2
Range of spindle speed	.....	860-700 rpm.
4. Cross feed mechanism of grinding wheel carriage:—		
Traverse of grinding wheel carriage lead-screw	.....	250 mm.
Traverse of grinding wheel carriage hydraulic drive	.....	50 mm.
Traverse of grinding wheel carriage per revolution of hand wheel	.....	1 mm.
Diameter of workpiece ground off per dial graduation	.....	0.01 mm.
Diameter of workpiece ground off per dial graduation with adjustable stop	.....	0.005 mm.
Intermittent feed per tooth of ratchet wheel (traverse of grinding wheel carriage)	.....	0.01 mm.
5. Headstock:—		
Taper of centre	.....	Morse No. 5
Diameter of face plate	.....	200 mm.
Speed of face plate	.....	40-550 rpm.
6. Tailstock:—		
Taper of centre	.....	Morse No. 5
Extension of spindle bushing	.....	35 mm.
Diameter of spindle bushing	.....	80 mm.
7. Hydraulic transmission system:—		
Hydraulic pressure	.....	9 kg./cm ²
Capacity of oil pump	.....	50 kg./min.
Capacity of coolant pump	.....	22 kg./min.
8. Electric driving system:—		
Motor for grinding wheel carriage: Power	.....	10 K.W.
..... Speed	.....	970 rpm.
Motor for oil pump: Power	.....	28 K.W.
..... Speed	.....	1420 rpm.
Motor for headstock: Power	.....	1 K.W.
..... Speed	.....	940 rpm.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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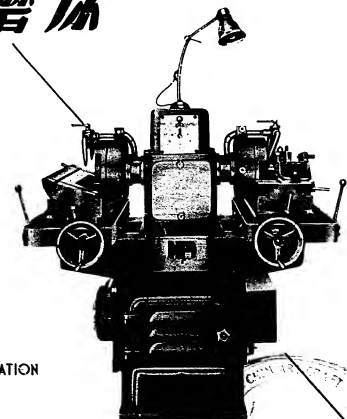
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50X1-HUM

TOOL GRINDER

Model M6250K

刀具磨床



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW SHIH-CHIAO, PEKING, CHINA
CABLE ADDRESS: MACHIMPORT PEKING

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M/37

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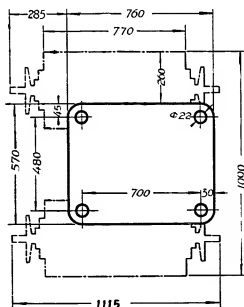
刀具磨床
TOOL GRINDER MODEL M6250K

This machine is suitable for grinding carbide tools. The carriage is composed of lower slide, upper slide, and rotary table. The tool to be ground is clamped by special holding fixture and subjected to cooling action during grinding.

The cross travel of lower slide along guideways and the longitudinal travel of upper slide along the working surface of grinding wheel are both effected by hand; the swivel of working table which is fixed on the upper slide, may be adjusted according to scale.

SPECIFICATION

Max. size of tools to be ground	50x50 mm.
No. of grinding wheels	2
Outside diameter of wheel	250 mm.
Inside diameter of wheel	150 mm.
Height of wheel	100 mm.
Spindle speed	2280 rpm.
Motors: 3-phase, A.C.	
for main drive:	
Power	2.8 KW.
Speed	2870 rpm.
for coolant pump:	
power	0.125 KW.
Speed	2800 rpm.
Overall dimension (LxWxH)	1510 x 1115 x 1365 mm.
Net weight	1200 kg. approx.

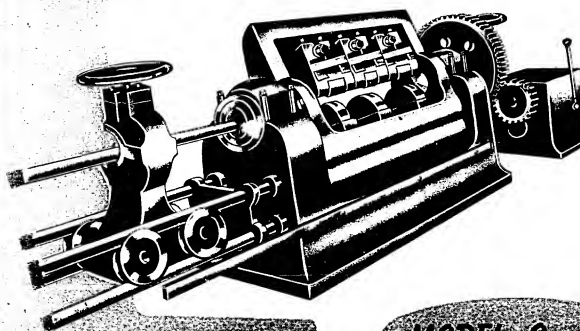


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STRAIGHTENING and
POLISHING MACHINE



MODEL Q-88

矯正輥光機

中國機械進出口公司
CHINA NATIONAL MACHINERY IMPORT & EXPORT CO., LTD.
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO
CABLE ADDRESS: "MACHIMP"

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STRAIGHTENING AND POLISHING MACHINE

MODEL Q - 88.

This machine is used for straightening and polishing all kinds of steel bars, shafts, and seamless steel pipes, except cold drawn bars for auto-machines and steel bars of lower elongation than 13%.

Work should be turned roughly before being polished; the same rule, however, does not apply to work which needs only straightening. Polishing and straightening is accompanied by passing work along axial direction between rollers rotating around the centre line of work.

The speed of straightening is controlled by means of a gear box. The friction between work and rollers on the frame of straightening mechanism actuates the axial feed of work. The rate of feed is adjusted by swivelling the rollers to the centre line of work, and the direction of feed can be reversed by reversing the rotation of frame of the straightening mechanism.

The machine is provided with guide trucks.

Diameter of workpiece:	
Minimum	25 mm.
Maximum	80 mm.
Max. length of workpiece	7000 mm.
No. of rollers on straightening mechanism:	
Feed rollers	2
Straightening rollers	4
Swivel of clamping rollers:	
Minimum	15°
Maximum	25°
Guiding trucks	2
Diameter of workpiece clamped on guide truck:	
Minimum	25 mm.
Maximum	80 mm.

Speeds of straightening frame 85,120,170 rpm

Feed of workpiece per revolution of straightening frame (angle α of rollers = 18°):

When dia. of workpiece is 25 mm.	20 mm.
When dia. of workpiece is 50 mm.	40 mm.
When dia. of workpiece is 80 mm.	65 mm.

When values of "d" and " α " are varied, the rate of feed can be computed by the following formula:-

$$S = 0.8 \pi d \cdot \tan \alpha \text{ mm/rev.}$$

In which: d = dia of workpiece (in mm)

α = angle of roller frame

0.8 = Sliding coefficient of bar through rollers

No. of regular passages through rollers:

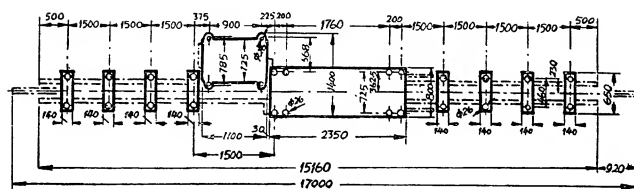
In straightening	1
In polishing	not less than 3

Motor: 3-phase, A.C.

Power	15.2 KW.
Speed	950 rpm.

Overall dimensions (L x W x H) . . . 17000x1400x1225 mm.

Net weight 6000 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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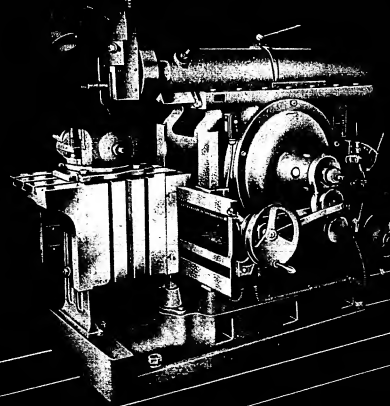
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Shawer



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

11/5/54

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SHAPER MODEL B665

This machine is suitable for shaping plane and formed surfaces of workpieces for small scale production.

The machine is driven by an individual motor.

The ram and tool head are actuated by a crank mechanism. The tool head can be swivelled and the vertical feed of the tool slide is effected by hand.

The horizontal traverse of table is effected either by power or manually, while the vertical traverse is actuated only by hand. The horizontal feed of work table is regulated by ratchet wheel mechanism.

Accessories attached with the machine:—

- 1 set — Plain vice of 240 mm width.
- 1 pce. — Socket wrench.
- 3 pcs. — Hook wrenches.

SPECIFICATION

Max. stroke of ram	650 mm.
Max. distance between lower edge of ram and table	370 mm.
Max. distance from tool bottom to machine bed (overhang)	700 mm.
Table (L x W):—	
Top	550 x 450 mm.
Side	450 x 400 mm.
Saddle of table	450 x 400 mm.
Max. travel of table:—	
Horizontal (power or manual)	600 mm.
Vertical (manual)	300 mm.
Max. size of shank (W x H)	20 x 30 mm.

Max. adjustment of ram (each side of centre)	± 250 mm.
Max. swivel of tool head	± 20°
Max. vertical travel of tool head (manual)	175 mm.
Max. swivel of tool head	± 60°
No. of strokes of ram per minute	12.5; 17.9; 25; 36.5; 52.5; 73.

Table horizontal feed per stroke of ram:

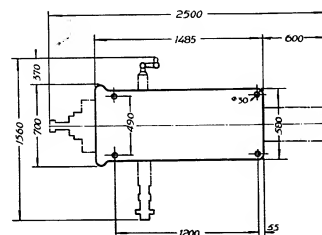
Min. (by turning each ratchet wheel tooth)	0.33 mm.
Max. (by turning 10 ratchet wheel teeth)	3.33 mm.

Motor: 3-phase. A.C.

Power	3.5 KW.
Speed	960 rpm.
Overall dimension (L x W x H)	2060 x 1560 x 1750 mm.
Net weight	1850 kg. approx.

Remarks:

Swivel of tool head can be 60° when space between tool and guideway is not smaller than 10 mm., otherwise, only 20° can be obtained.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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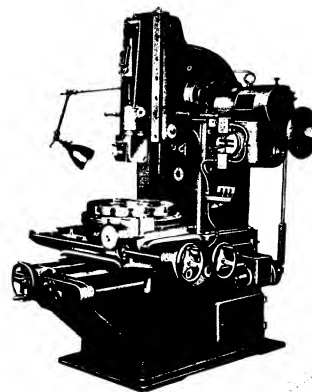
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50X1-HUM

Slotting Machine

Model 7417



插床

1951年 中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADD: "MACHIMPORT" PEKING

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SLOTING MACHINE

MODEL 7417

This machine is suitable for machining plane and profile surfaces, slots, keyways, and different kinds of dies. It is started by a friction clutch and quickly stopped by a braking device.

The number of reciprocating strokes of ram per minute is adjusted by means of a gear box; the longitudinal, traverse and circular feeds by means of ratchet mechanism.

The stroke of the ram is controlled by an eccentric wheel of the crank mechanism; the tool edge is released from the workpiece during the return stroke of ram.

Longitudinal, cross, or circular feed of the table is disengaged automatically by limit stops. The feed mechanism is provided with reverse motion and a safety device against overload.

The rotary table is graduated into 360 divisions.

Table and ram traverse are operated either by power or hand.

Stroke of ram:

Minimum	25 mm.
Maximum	160 mm.

Distance, table surface to ram:

Minimum	25 mm.
Maximum	450 mm.

Distance, rear side of table to column:

Minimum	25 mm.
Maximum	500 mm.

Distance, outside edge of ram to rear side of table:

Minimum	20 mm.
Maximum	455 mm.

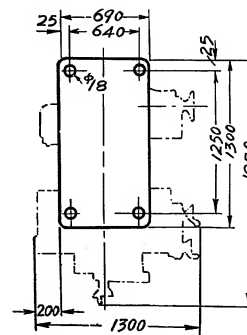
Distance, tool post seat to column ... 480 mm.

Distance, surface of table to ram guide ... 350 mm.

Diameter of table ... 500 mm.

Maximum travel of table:

Longitudinal	475 mm.
Cross	530 mm.
Maximum swivel of table	360°
Maximum side swivel of ram head	± 90°
Maximum tilting of ram	4°30'
Strokes of ram per minute	30; 48; 78; 120
No. of longitudinal, cross and rotary feeds of table	15
Range of longitudinal and cross feed of table per stroke	0.031-1.21 mm.
Range of rotary feed of table per stroke	0.054° - 0.81°
Electric Motor:	3-phase, A.C.:
Power	2.8 KW.
Speed	1000 rpm.
Overall dimensions (L x W x H)	1850 x 1300 x 2040 mm.
Net weight	2300 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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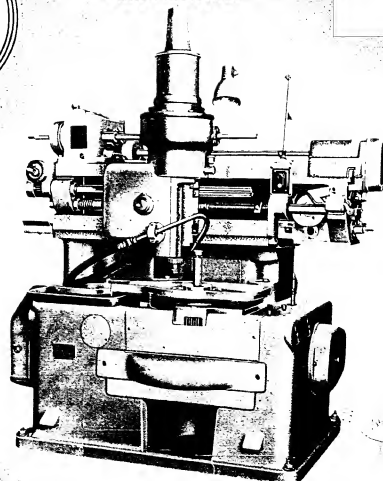
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插齒机 SPUR GEAR Shaping MACHINE

MODEL
J-546

CONFIDENTIAL

50X1-HUM



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT - EXPORT
100-1000, SUNG-CHING, TIENTSIN, CHINA
CABLE ADDRESS: MACHINERY TIENTSIN

SPUR GEAR SHAPING MACHINE

Model J546

This machine is used for shaping internal and external spur and helical gears.

The machine works on the generating principle of workpiece and cutter rolling together. It can be employed to cut helical gears when a special copying guide is fitted on the spindle of this machine.

This machine can also be used to cut gears such as stepcone gears, gears with shoulder, etc., which provide very little recess for the run out of cutter during cutting.

The number of reciprocating strokes and circular feeds of cutter are regulated by the gear box and the feeding box respectively. The indexing mechanism is controlled by means of change gears. The stroke of cutter can be adjusted by changing the position of set pin on the crank mechanism.

The teeth of the gear may be shaped by cutter in one, two, or three strokes. The number of strokes and the feeding rate of first, second, and third stroke are controlled by means of a special mechanism.

The directions of rotation of the cutter spindle and the working table are independent of each other.

SPECIFICATION

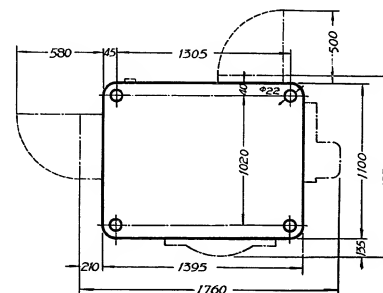
Min. and Max. module	2-6
Min. and Max. outside diameter of spur gear	20-462 mm.
Max. outside diameter of helical gear (spiral angle 23°)	462 mm.
Max. outside diameter of internal gear	550 mm.
Max. face width of gear:	
External	105 mm.
Internal	75 mm.
Max. helix angle for helical gear	23°
Max. pitch diameter of gear:	
External	450 mm.
Internal (when cutter of 100 mm. dia. is used)	400 mm.
Max. distance between centres of work and cutter	350 mm.

Diameter of working table	240 mm.
Max. stroke of slide	125 mm.
Min. and Max. distance between working table and lower face of cutter head	35-160 mm.
Max. longitudinal traverse of the cutter saddle	510 mm.
Traverse of the cutter saddle per one division of the scale during adjustment of the cutting depth of the cutter	0.02 mm.
Pitch diameter of the gear cutter	100 mm.
No. of strokes of the cutter per minute	125, 172, 253, 359
Circular feed of cutter per stroke	0.17; 0.21; 0.24; 0.30; 0.35; 0.44 mm/stroke of cutter.
Average radial feed of cutter per stroke	0.024; 0.048; 0.096 mm/stroke.

Motors: 3-phase, A.C.

Main drive motor:	Power	2.8 KW.
	Speed	1440 rpm.
Motor for rapid revolving of table:	Power	0.5 KW.
	Speed	1410 rpm.
Coolant pump:	Power	0.125 KW.
	Speed	2800 rpm.

Overall dimension (L x W x H) 1760x1270x2060 mm.
Net weight 3530 kg. approx.



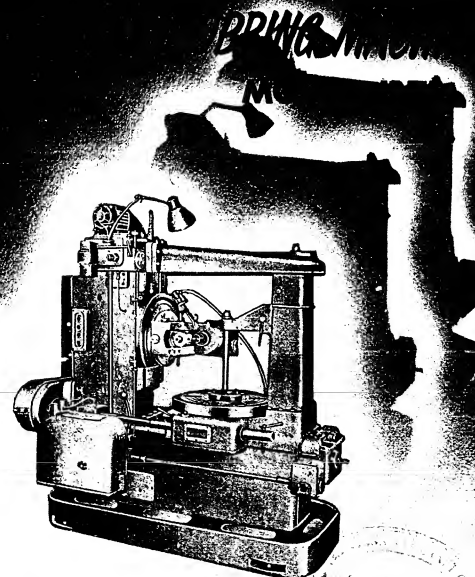
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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滾齒機



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
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ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

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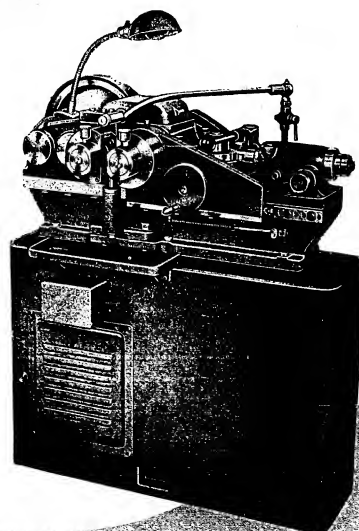
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50X1-HUM

Thread Pulling Machine

滾絲機



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT-EXPORT
ER-LI-KOW SHANGHAI CHINA
CABLE ADDRESS: MACHIMPORT PEKING



CONFIDENTIAL**Universal Semi-automatic Thread Rolling Machine****Model**

The.....Universal Semi-automatic Thread Rolling Machine is designed particularly for thread rolling of various machine component parts.

Threads are rolled through two rollers with thread cuts. On account of the radial pressure produced on approach of the rollers, the same thread cuts on the surface of the rollers are rolled onto the surface of the workpiece which is placed in special chucks and between rotating rollers. Instantaneous tangential push forces make the workpiece rotate, and threads similar to those on the rollers are then rolled onto the whole surface of the workpiece.

Roller speeds are adjusted through interchangeable gears. Spindle head feeds are effected through a cam and adjusted by means of interchangeable gears.

The machine operates in either semi-automatic or automatic cycles in conformity with the contour of the cam. Under the first instance, the feed movements of the spindle head are automatically stopped after the rolling operation is completed.

Individual motor drive is provided for the machine.

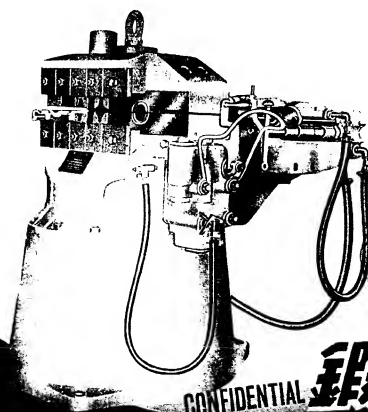
SPECIFICATIONS

Distance, chuck face to center line of spindle	220 mm
Distance between spindles, minimum and maximum	90 - 150 mm
Diameter rolled, minimum and maximum	6 - 33 mm
Maximum pitch of thread	2.5 mm
Maximum length of thread	40 mm
Diameter of rollers, minimum and maximum	90 - 105 mm
Maximum travel of movable spindle head	10 mm
Spindle speeds	40; 60; 86; 125; 183; 260 rpm
Range of feed cam speed	1.1 - 66.8 rpm
Range of feed, per revolution of workpiece	0.005 - 0.15 mm
Drive, 3 phase, A.C. motor:	
Power	3.2 KW
Speed	1440 rpm
Overall dimension (length x width x height)	1070 x 600 x 1070 mm
Net weight	approx. 625 kg

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CONFIDENTIAL**CONFIDENTIAL****DRILL BIT
FORGING MACHINE**

50X1-HUM

MODEL 421-90**CONFIDENTIAL 鍛 針 机**

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

MODERN EXPORT
ERHUA ROAD, CHINA NATIONAL MACHINERY IMPORT CORPORATION
ARLINGTON, MASSACHUSETTS, U.S.A.

DRILL BIT FORGING MACHINE

MODEL 421-90

The machine is operated by compressed air, for hot forging of round and hexagonal steel bars. The machine is capable of various operations as: hammer forging (horizontal forging of drill bits), impact forging (piercing and enlarging of centre hole), cutting (when the upper forging table descends, the cutting edge cuts off the drill steel), press forging (when the upper forging table descends, it also sharpens the drill bit), etc.

The machine is provided with necessary dies, which can be used for forging drill steel into various forms of drill bits and shanks, as well as for repairing worn-out drill bits.

The machine can be used also in machine-shops. With special forging dies, it can be used for forging different kinds of bolts and rivets from steel bars, (size of bolts not bigger than M 30). We do not supply this kind of forging dies, but they are available if required.

For forging shanks and drill bits, the machine is supplied with the following accessories:—

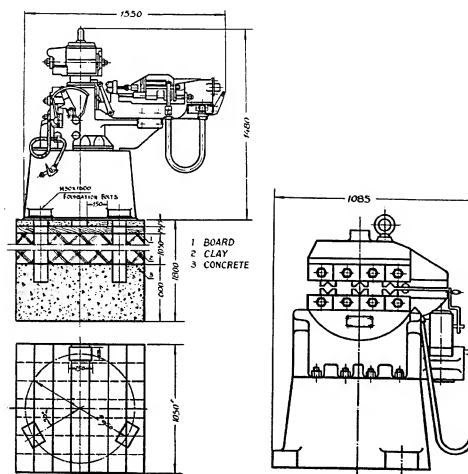
- 1) One set of forging dies for forging the collar of the drill steel.
- 2) One set of coining punch for forging the collar of the drill steel.
- 3) The coining punch for forging the drill head.
- 4) Die for reconditioning of the shank.
- 5) Needle for piercing and enlarging the centre hole of the drill.

SPECIFICATION

Dimension of drill steel	22x25.4 mm.
Dia. of drill bit	90 mm.
Max. dia. of steel bar	50 mm.

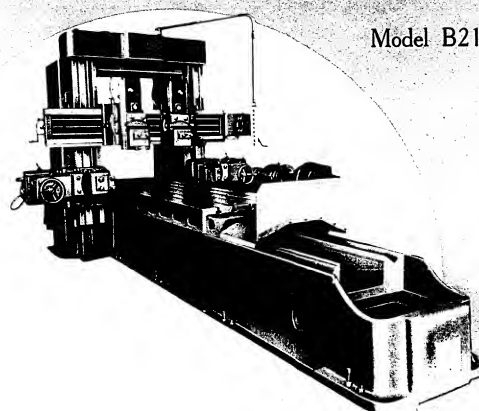
Capacity:

Forging of new drills	60 pcs/hr.
Reconditioning of drills	60—100 pcs/hr.
Forging of shanks	60—80 pcs/hr.
Dia. of inlet air pipe	32 mm. (1¼")
Air pressure	5—7 kg./cm²
Max. forging and cutting capacity	10,300—14,200 kg.
Air consumption	3.4 m³/min.
Movement of verticle table	90 mm.
Overall dimension (L x W x H)	1550 x 1085 x 1480 mm.
Net weight of machine	2740 kg.

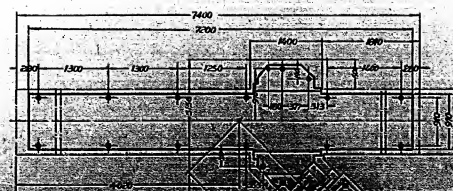


N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

16/5/57



Model B210



SPARK FOR ELECTRIC EQUIPMENT ELECTRIFYING
METRIC SWITCH BOX WOUND LEADERS WITH SPARK
TIME SWITCH TO BE PROVIDED ALSO, AND A
TIME ADJUSTMENT FOR LATEST REGULATION
REQUIRED.

DOUBLE HOUSING PLANER MODEL B210

This planer is used for machining various shaped guideways, V or T slots, horizontal, vertical, and oblique planes, etc.

The table is driven by a D. C. motor through speed reduction gearing and worm which is engaged with the rack under the table.

The change of direction of table motion is effected by reversing the rotation of the main drive motor; the cutting speed, i.e. table speed, can be varied smoothly by means of the Ward-Leonard control.

On the cross rail of the machine are fitted two vertical tool heads and a main feed gear box which is individually driven by a reversible motor.

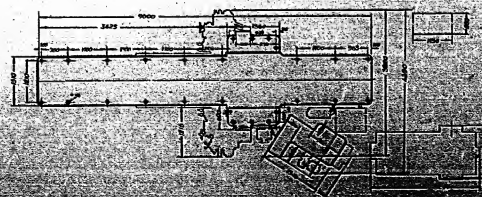
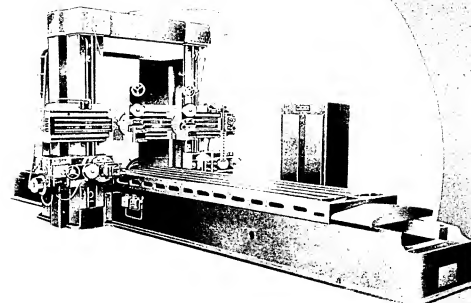
The head feed motor starts at the moment the change of return stroke of table takes place. During the return stroke of the table, the feed gear box completes its set-up; as soon as this return stroke changes to working stroke, the tool heads start feeding.

The side tool heads are each individually driven by motor and feed gear box.

The machine is controlled by an electric control table and a pendant pushbutton station.

SPECIFICATION

Max. planing length	3000 mm.
Max. planing width	1000 mm.
Max. planing height	850 mm.
Max. weight of workpiece	5000 kg.
Working table surface (L x W)	3000 x 900 mm.
No. of T slots	5
Width of T slots	28 mm.
Distance between T slots	150 mm.
No. of vertical tool heads	2
No. of side tool heads	2
Max. size of tool shank (W x H)	40 x 60 mm.
Range of cutting speed	5-75 m/min.
Return speed of table	75 m/min.
Range of horizontal feed of vertical tool head per working stroke of table	0.5-25 mm.
Range of vertical feed of vertical tool head per working stroke of table	0.125-6.2 mm.
Rapid traverse speed of vertical tool head (horizontal)	2.33 m/min.
Range of feed of side tool head per working stroke of table	0.25-12.5 mm.
Rapid traverse speed of side tool head (vertical)	1.07 m/min.
Elevating speed of cross rail (vertical)	0.5 m/min.
Total number of electric motors	13
Driving D. C. motor:	Power 40 KW.
	Speed 1460 rpm.
D. C. generator:	Output 19/19.8/9.6 KW.
	Speed 1475 rpm.
Exciter:	Output 5 KW.
	Speed 1460 rpm.
D. C. motor for driving table:	Power 6.5/16.2/16.2 KW.
	Speed 140/350/1400 rpm.
Fan motor:	Power 1 KW.
	Speed 2850 rpm.
A. C. Motor for driving speed regulator:	Power above 0.5 KW.
	Speed 3000 rpm.
Speed regulator:	Power 0.15 KW.
	Speed 2850 rpm.
Head feeding A. C. motors (3 sets):	Power 1.7 KW.
	Speed 1420 rpm.
Cross rail elevating A. C. motor:	Power 1.7 KW.
	Speed 1420 rpm.
Cross rail clamping A. C. motor:	Power 0.6 KW.
	Speed 1410 rpm.
A. C. motor for driving lubricating oil pump:	Power 0.25 KW.
	Speed 1400 rpm.
Overall dimension (L x W x H)	7200 x 3650 x 2680 mm.
Net weight	20500 kg. approx.

Model B215

DOUBLE HOUSING PLANER MODEL B215

This machine can be used for planing heavy castings or forgings weighing up to 10 tons. Three sides of the workpiece can be planed by 2 vertical tool heads and 2 side tool heads simultaneously.

The working table is driven by a D. C. motor controlled by Ward-Leonard system through a pair of herring-bone speed reducing gears, worm wheel and rack. The power feeds and rapid traverse of all tool heads are also actuated by individual D. C. motors.

Clamping and travel of the cross rail are power operated.

All slide ways and principal mechanisms are lubricated by an electric motor driven oil pump.

The machine is provided with safety device against overload and interlocking device to protect the same from being damaged.

SPECIFICATION

Distance, vertical tool head to table:	Minimum	0 mm.
	Maximum	1300 mm.
Extreme position of centre line of side tool head:		
Above table surface	1050 mm.	
Below table surface	200 mm.	
Between two columns	1500 mm.	
Maximum planing length	4000 mm.	
Maximum planing width	1500 mm.	
Maximum planing height	1250 mm.	
Maximum safe weight of workpiece	10000 kg.	
Working surface of table (LxW)	4000x1300 mm.	
Stroke of table: Minimum	800 mm.	
	Maximum	4000 mm.
Range of cutting speed of table	6-60 m/min.	
Range of return speed of table	12-60 m/min.	
Number of feeds of vertical and side tool heads	21	
Range of feed of vertical tool head per double stroke of table:		
Vertical	0.25-25 mm.	
Horizontal	0.5 -50 mm.	
Range of vertical feed of side tool head per working stroke of table:	0.5 -50 mm.	
Rapid traverse speed of vertical tool head:		
Vertical	1500 mm/min.	
Horizontal	3000 mm/min.	
Vertical rapid traverse speed of side tool head	3000 mm/min.	
Elevating speed of cross rail	1000 mm/min.	
Total number of motors	13	
Motor, 3-phase, A. C.:	Power	75 Kw.
	Speed	980 rpm.
D. C. generator:	Speed	975 rpm.
Exciter:	Power	7.8 KW.
	Speed	975 rpm.
D. C. motor for driving table:	Power	27.34 KW.
	Speed	132.5-1325 rpm.
A. C. motor for fan:	Power	1.5 KW.
	Speed	1450 rpm.
A. C. motor for driving speed regulator:	Power	above 0.5 KW.
	Speed	3000 rpm.
D. C. generator for speed regulator:	Output	0.5 KW.
D. C. motors for feeding (3 sets):	Power	1.75 KW.
	Speed	1450 rpm.
Cross rail elevating A. C. motor:	Power	4.5 KW.
	Speed	1400 rpm.
Cross rail clamping A. C. motor:	Power	1 KW.
	Speed	930 rpm.
Hydraulic pump A. C. motor:	Power	1 KW.
	Speed	1410 rpm.
Overall dimension (LxWxH)	9600x3820x3548 mm.	
Net weight	32000 kg. approx.	

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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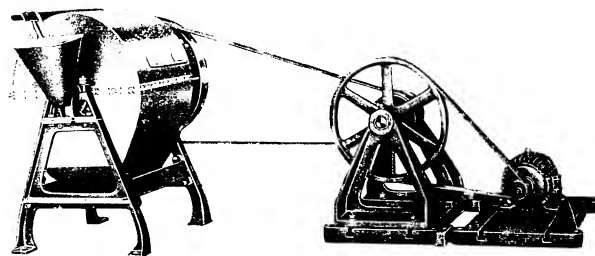
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50X1-HUM

Ball Mill

MODEL 612-550X450

球磨機



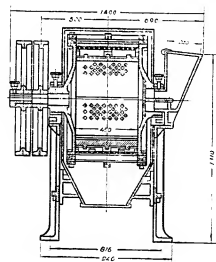
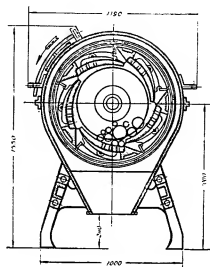
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
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BALL MILL

Model 612-550x450

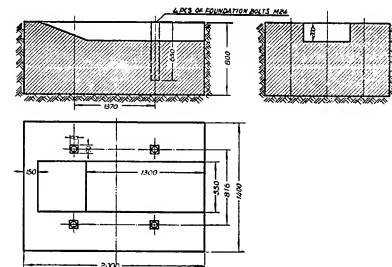
This Ball Mill type 151, equipped with screen, is used for grinding coal, coke, graphite, and clay. It is one of the foundry equipments.

The Mill comprises a drum rotating round a horizontal shaft. In the drum are steel balls and material to be ground. When the drum rotates, the steel balls are repeatedly brought up to a certain height, fall, and crush the material. The drum is composed of two discs and five segments which are assembled between the discs in staircase manner to form the drum surface. The material, having been ground, passes through the numerous holes in the segments onto the screen where it is sieved. The grains which are unable to pass through the screen are returned through space between the segments back to the drum.



SPECIFICATION

Output	75 kg./hr.
No. of holes in sieve	500-600 holes/cm ²
Size of materials to be fed	Not bigger than 60-65 mm.
Quantity of materials per feed	30-40 litres
Discharge interval	20-30 min.
Drum speed	40-45 rpm.
Ball diameters	1 1/2"; 1 3/4"; 2"; 2 1/4"; 3"; 3 1/2";
Number of balls	20; 15; 10; 10; 5; 5 pcs.
Weight of balls	50 kg.
Motor	1.7-2.8 KW.
Overall dimension (LxWxH)	1400x1190x1550 mm.
Net weight	880 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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圓盤粉碎機

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

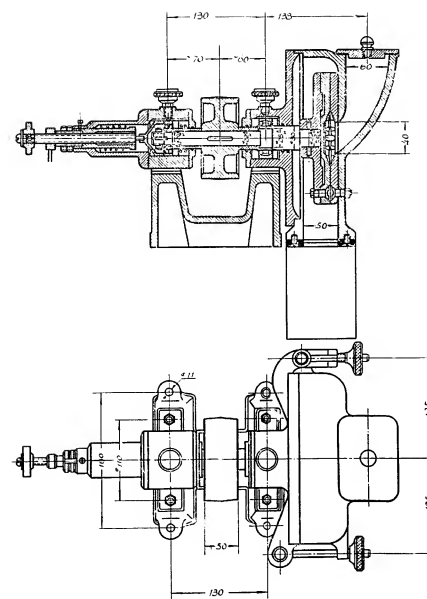
DISC DISINTEGRATOR

Model 822-175

This disintegrator is suitable for fine grinding of various kinds of ores in the laboratories. The main parts of the machine are the two manganese steel discs. Material is fed through the central part of the fixed disc and then by centrifugal force resulted from the high speed revolution of the other disc, it is thrown outward, crushed, and discharged from the space between the discs. The fineness of grinding is controlled by means of the adjustable tension spring. The finer is the grinding, the smaller will be the output and vice versa.

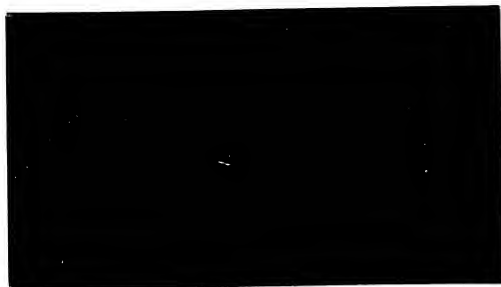
SPECIFICATION

Diameter of working disc	175 mm.
Max. size of material to be fed	3 mm.
Max. delivery size of material crushed	0-0.15 mm.
Output (when delivery size of crushed material is 0.15 mm)	20 kg. hr.
Disc speed	400 rpm.
Drive belt pulley (Dia. x Width)	110 x 50 mm.
Motor	0.5 KW.
Overall dimension (L x W x H)	510 x 300 x 400 mm.
Net weight (excluding motor)	70 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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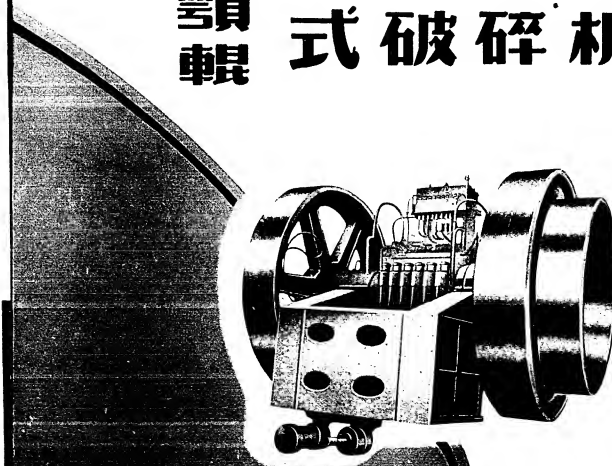
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50X1-HUM

JAW ROLLER CRUSHER

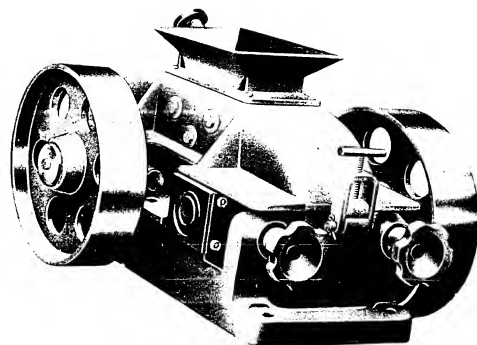
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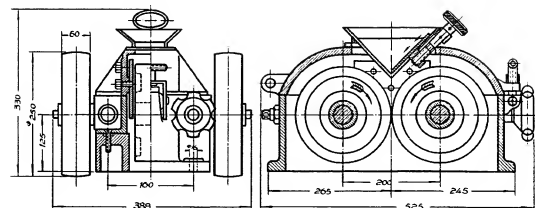
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(IMPORT — EXPORT)
ER — LI — KOW, SHIH — CHIAO, PEKING, CHINA
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Model 422-200x75



ROLLER CRUSHER (200×75 mm.)

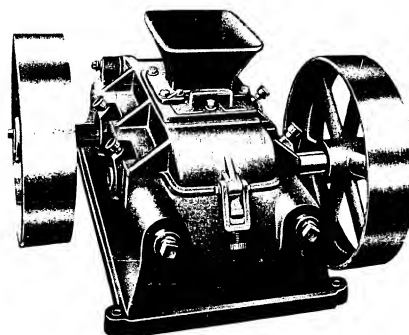
Model 422-200×75

This crusher is used in laboratories for fine crushing of ores, refractory materials, and fluorspar.

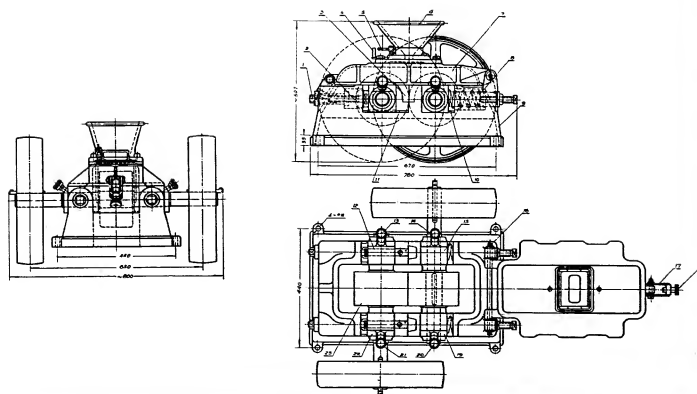
The body of the crusher is made of globular cast iron, and is very durable. The fineness of crushing is adjustable as required. The machine is light and can be easily handled. It has a suitable working capacity and is highly efficient.

SPECIFICATION

Type	Roller type
Crushing capacity	860 kg./hr.
Material to be crushed	Max. 10 mm.
Material after being crushed	Max. 4 mm.
Roller speed	400 rpm.
Belt pulley	φ 250 × 60 mm.
Motor: Power	1 KW.
Speed	1420 rpm.
Overall dimension (L × W × H)	525 × 388 × 300 mm.
Weight	101 kg.



Model 422-200×125



ROLLER CRUSHER (200×125 mm.)

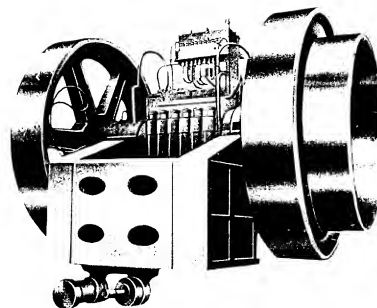
Model 422-200×125

This machine crushes uniformly materials of medium hardness such as ores, coal, coke, etc., in sizes regulated through adjustment of space between the rollers. It is also suitable for laboratory purposes.

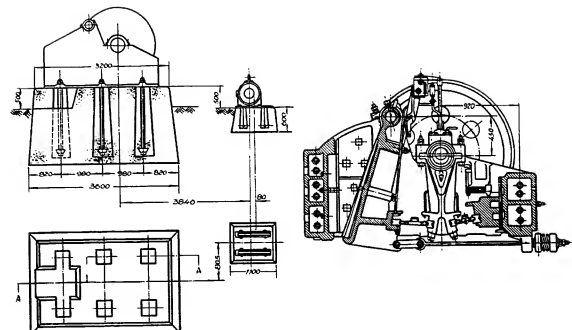
Two high carbon steel rollers, revolving towards each other, reduce whatever material that comes down from the funnel installed atop the machine cover.

SPECIFICATION

Crushing capacity	1500 kg./hr.
Size of rollers	200 × 125 mm.
Material to be crushed	Max. 10 mm.
Material after being crushed	Max. 4 mm.
Roller speed	300 rpm.
Belt pulley	460 × 105 mm.
Motor	2.8 KW.
Overall dimension (L × W × H)	780 × 800 × 507 mm.
Weight including motor	520 kg.



Model 111-750×450



JAW CRUSHER (100 × 60 mm.)**Model 112—100 × 60**

This Jaw Crusher is used in laboratories for coarse crushing of ores, refractory materials and fluorspar, and is mounted on a rigid working platform.

The crusher is eccentric driven, lower end pivot type. The discharge opening is adjustable. All running parts are equipped with thrust roller bearings. Three pieces of A type V-belts are used for transmission. The flywheel is mounted at the other end of the main shaft.

SPECIFICATION

Feed opening	100 × 60 mm.
Materials to be crushed	Max. 60 mm.
Width of discharge opening	6-10 mm.
Capacity:—	
When discharge opening	
is 6 mm.	230 kg./hr.
When discharge opening	
is 10 mm.	400 kg./hr.
Main shaft speed	500-650 rpm.
Pulley diameter	217 mm.
Motor: Power	1.4 KW.
Speed	1450 rpm.
Overall dimension (L × W × H) ...	335 × 334 × 377.5 mm.
Net weight (excluding motor)	125 kg.
Motor weight	40 kg.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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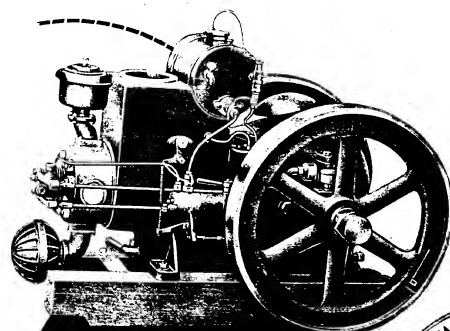
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50X1-HUM

DIESEL ENGINE 5 H.P.

**五匹
柴油机**



14/9/57

中國機械進口公司

CHINA

CHINA ART-CRAFT CO.
大華行

5 H.P. DIESEL ENGINE

This 5 H.P. Diesel Engine is simple and light in construction. It is portable and is especially suitable for generation of power for farm irrigation, small lighting unit, cotton-gin, oil press, sugarcane press, grain mill, etc. It is powerful and steady, easy to start and simple in maintenance. Only a short period is required to master its operation.

SPECIFICATION

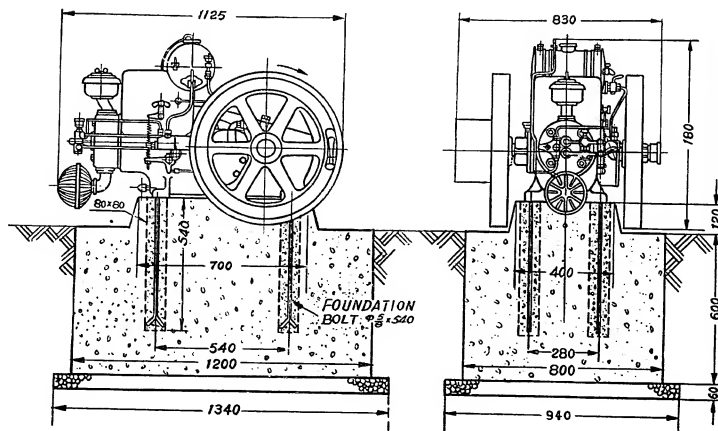
Type	Horizontal, single cylinder, four stroke, pre-combustion chamber.
Rated Power	5 H.P.
Maximum Power	5½ H.P.
Cylinder bore	110 mm.
Stroke	170 mm.
Piston displacement	1.62 litres
Rated speed	700 rpm.
Compression ratio	17.5 : 1
Speed regulation	4%
Belt pulley :	
Diameter	250 mm.
Width	100 mm.
Lubrication	Pressure lubrication and grease
Fuel consumption	210 - 232 gr./H.P.hr.
Average temperature of cooling water	100°C.
Starting	Manual and paper ignition

Overall dimension (LxWxH) 1125x830x780 mm.

Net weight 380 kg.

Engine Accessories :

Socket wrench	1 pce.
Flywheel nut wrench	1 "
22-27 double wrench	1 "
32 open end wrench	1 "
8" Monkey wrench	1 "
6" Screw driver	1 "
Piston ring	1 "



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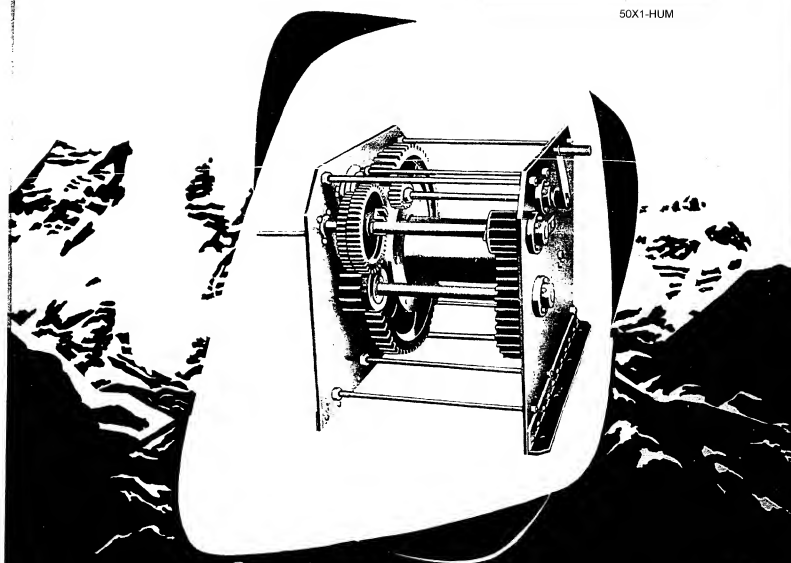
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50X1-HUM



手搖捲揚机

HAND OPERATED WINCH

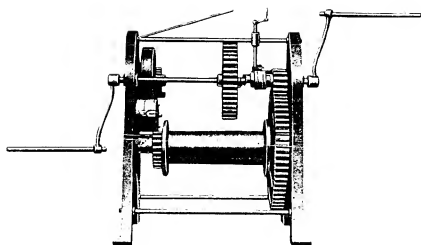
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PEKING, CHINA
ADDRESS: MACHIMPORT PEKING

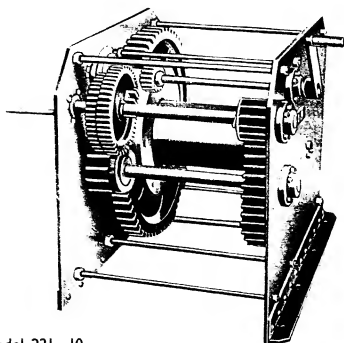
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Model 221-3

3-TON HAND OPERATED WINCH



Model 221-10

10-TON HAND OPERATED WINCH

3-TON HAND OPERATED WINCH

Model 221-3

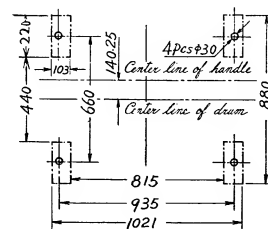
This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

SPECIFICATION

S.L.P. capacity: Slow speed	...	...	...	...	...	3000	kg.
High speed	...	...	...	...	...	800	kg.
Drum: Diameter	...	...	...	...	...	200	mm.
Dia. of flange	...	...	...	...	...	360	mm.
Width	...	...	...	...	...	574	mm.
Height of drum shaft centre line	...	...	...	...	...	457	mm.
above ground	...	...	...	...	...	457	mm.
Height of handle centre line above	...	...	...	...	...	862	mm.
ground	...	...	...	...	...	862	mm.
Handle length	...	...	...	...	...	400	mm.
Speed ratio:	...	...	...	...	...	1:22.1	
Slow speed	...	...	...	...	...	1:22.1	
High speed	...	...	...	...	...	1:6.1	
Steel wire rope:	...	...	...	...	...
Diameter	...	...	...	...	...	16	mm.
Length	...	...	...	...	...	100	m.
Max. breaking strength	...	...	...	...	...	13,100	kg.
Overall dimension (L x W x H)	...	...	...	...	...	2120 x 1910 x 1290	mm.
Weight	...	...	...	...	...	660	kg.



10-TON HAND OPERATED WINCH

Model 221-10

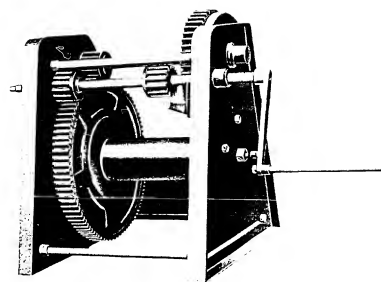
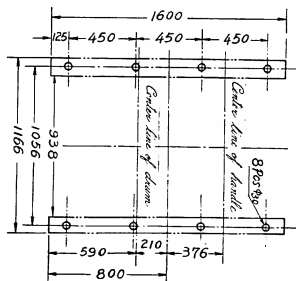
This Winch is of the single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a sensitive safety brake device, operated by the pressure exerted by the load.

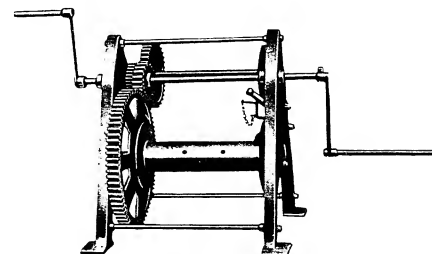
The Winch is supplied with eight 1" foundation bolts, suitable for installing in any fixed place. Steel wire rope is not included with the Winch.

SPECIFICATION

S.L.P. capacity: Slow speed	10 ton
High speed	...	...	...	...	...	5 ton
Drum: Diameter	...	...	...	...	...	350 mm.
Dia. of flange	...	...	...	...	...	550 mm.
Width	...	...	...	...	...	720 mm.
Height of drum shaft centre line	...	...	...	...	...
above ground	...	...	...	...	...	610 mm.
Height of handle centre line	...	...	...	...	...
above ground	...	...	...	...	...	1055 mm.
Length of handle	...	...	...	...	...	400 mm.
Speed ratio: Slow speed	...	...	...	...	...	1 : 68.88
High speed	...	...	...	...	...	1 : 34.44
Steel wire rope:-	...	...	...	...	...
Diameter	...	...	...	...	...	28 mm.
Length	...	...	...	...	...	100 m.
Max. breaking strength	...	...	...	...	...	37700 kg.
Overall dimension (L x W x H)	...	...	...	...	...	2190 x 1600 x 1480 mm.
Weight	...	...	...	...	...	1400 kg.



Model 221-5

5-TON HAND OPERATED WINCH

Model 221-1

1-TON HAND OPERATED WINCH

5-TON HAND OPERATED WINCH

Model 221—5

This Winch is of single drum type and is hand operated.

The Winch is provided with a hand-operated band brake and a ratchet wheel. Steel wire rope is not included with the machine.

SPECIFICATION

S.L.P. capacity:	Slow speed	...	...	...	...	...	5000 kg.
	High speed	...	...	...	...	...	1400 kg.
Drum:	Diameter	...	...	...	...	...	230 mm.
	Dia. of flange	...	...	...	...	...	490 mm.
	Width	...	...	...	...	...	692 mm.
Handle length	...	...	...	...	...	...	470½ mm.
Speed ratio:	Slow speed	...	...	...	...	...	1 : 22.86
	High speed	...	...	...	...	...	1 : 6.46
Steel wire rope:	Diameter	...	...	...	...	...	12—20 mm.
	Length	...	...	...	...	...	200—300 m.
Overall dimension (L × W × H)	...	...	...	...	...	...	2810 × 1230 × 1450 mm.
Height of drum shaft centre line	...	...	...	...	...	...	...
above ground	...	...	...	...	...	...	510 mm.
Weight	...	...	...	...	...	...	1100 kg.

1-TON HAND OPERATED WINCH

Model 221—1

This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

SPECIFICATION

S. L. P. capacity:	Slow speed	...	...	...	...	...	1000 kg.
	High speed	...	...	...	...	...	400 kg.
Drum:	Diameter	...	...	...	...	...	150 mm.
	Diameter of flange	...	...	...	...	...	340 mm.
	Width	...	...	...	...	...	580 mm.
Radius of crank handle	...	...	...	...	...	...	350 mm.
Speed ratio:	Slow speed	...	...	...	...	...	13.2 : 1
	High speed	...	...	...	...	...	5.4 : 1
Steel wire rope:	Diameter	...	...	...	...	...	6 × 9.1 mm.
	Length	...	...	...	...	...	200 m.
Overall dimension (L × W × H)	...	...	...	...	...	...	2280 × 940 × 1140 mm.
Weight	...	...	...	...	...	...	350 kg.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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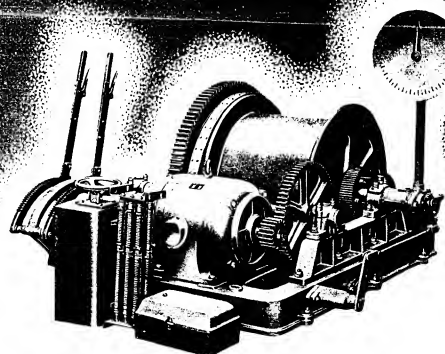
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單筒捲揚機
SINGLE DRUM HOISTING
MACHINE



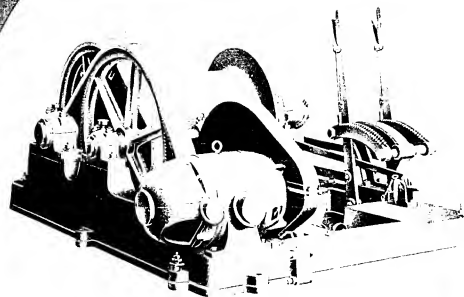
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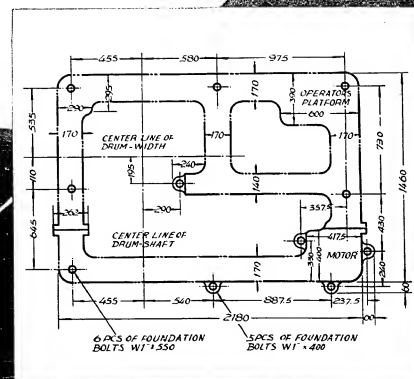
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16/5/57

Model 222-1500



10 H.P.



SINGLE DRUM HOISTING MACHINE (10 H.P.)

Model 222-1500

This Hoisting Machine is of the single drum type, main shaft is driven by an electric motor through three stage reduction gearing. The drum is loose fitted on the main shaft and through couplement by means of a hand operated hard wood conical friction clutch with the transmission gears, it revolves and lifts the load.

The machine is equipped with hand-operated hand brake and foot-operated ratchet wheel to control the hoisting work.

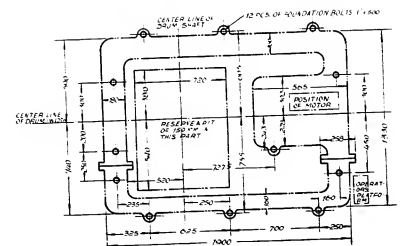
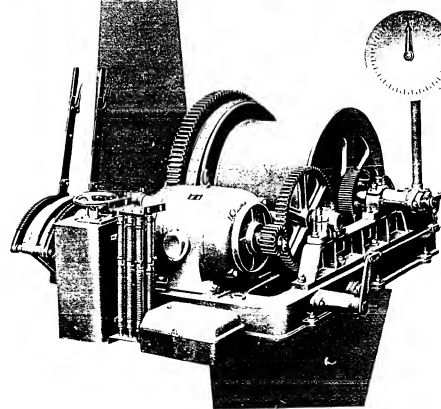
The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

SPECIFICATION

Hoisting capacity	... ..	1500 kg.
Hoisting speed	... ..	0.36 m/sec.
Drum: Diameter	... ..	540 mm.
Dia. of flange	... ..	800 mm.
Width	... ..	600 mm.
Height of drum shaft centre line	... ..	460 mm.
above ground	... ..	460 mm.
Speed ratio	... ..	1 : 119.44
Steel wire rope: Diameter	... ..	(6 × 19) 16 mm.
Length	... ..	250 m.
Motor	... ..	A. C., 3-phase 50 cycles
	... ..	380 V., driven at 1470 r.p.m.
	... ..	7.5 KW.
Overall dimension (L × W × H)	... ..	2280 × 1000 × 1400 mm.
Weight	... ..	2200 kg.

Model 222-900

20 H.P.



SINGLE DRUM HOISTING MACHINE (20 H.P.)

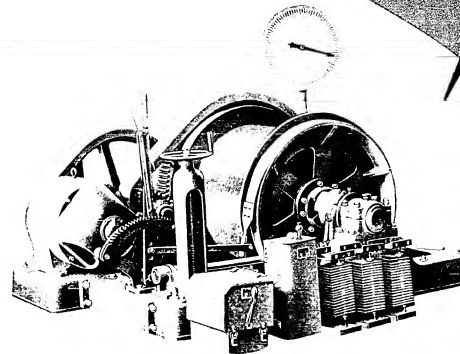
Model 222-900

This hoisting machine is of the single drum type; its main shaft is driven by an electric motor through two stage speed reduction gearing. The drum is loose on the main shaft, and through couplement by means of a hand-operated hardwood conical friction clutch with the transmission gears, it revolves to lift load. The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

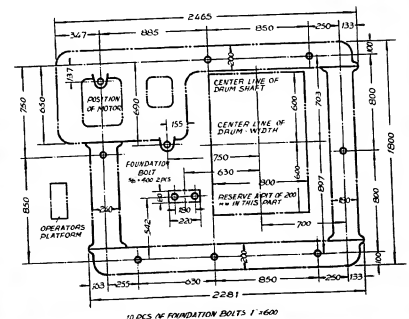
SPECIFICATION

Hoisting capacity	900 kg.
Hoisting speed	1.25 m/sec.
Drum: Diameter	760 mm.
Dia. of flange	965 mm.
Width	600 mm.
Height of drum shaft centre line	
above ground	430 mm.
Speed ratio	32
Steel wire rope length	300 m.
Motor	A. C., 3-phase, 50 cycles, 380 V., drip proof, 15 KW.
Overall dimension (L x W x H)	2465 x 1330 x 1600 mm.
Weight	2100 kg.

Model 222-1360



30 H.P.



HOISTING MACHINE (30 H.P.)

Model 222-1360

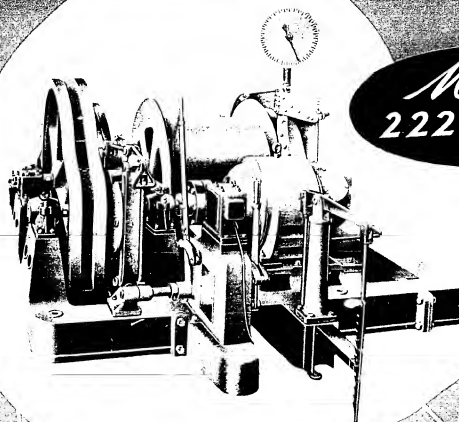
This machine is of the single drum type. The main shaft is driven by an electric motor through two stage reduction gearing. By means of a coupling, the hoist drum can be coupled with the main driving shaft, and the machine is equipped with hand-operated band brake to control the speed. A dial indicator is provided to show the position of the load. The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

SPECIFICATION

Hoisting capacity	1360 kg.
Hoisting speed	1.26 m/sec.
Drum: Diameter	915 mm.
Dia. of flange	1170 mm.
Width	760 mm.
Height of drum shaft centre line above ground	500 mm.
Speed ratio	1 : 29.52
Steel wire rope: Diameter	16 mm. (5/16")
Length	50 m.
Motor	A. C., 3-phase, 380 V., 20 HP.
Dimension (L x W x H)	1200 x 1000 x 1500 mm.
Weight	1200 kg.

75 H.P.

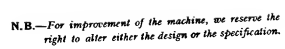
Model
222-2000



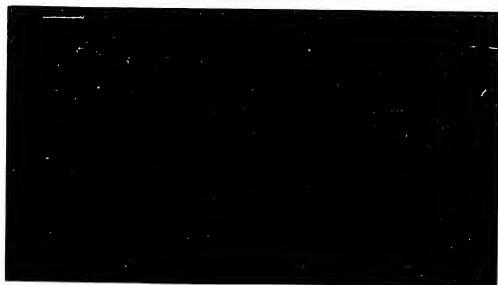
This Hoisting Machine is used for general hoisting service in mines. The machine is provided with a depth indicator, which will indicate the position of the load at any time. A foot brake and an electric brake are also installed. In case of emergency it will stop automatically. The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

SPECIFICATION

Hoisting capacity	2000 kg.
Hoisting speed	130 m/min
Hoisting height	900 m
Drum: Diameter	1220 mm
Width	915 mm
Steel wire rope	24-160
Electric motor	55 kW



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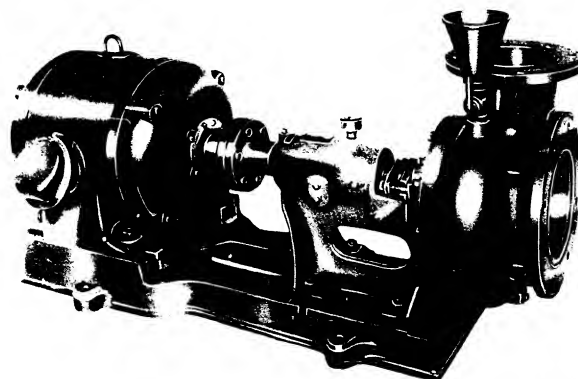


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离心式抽水机
Water Pump
Centrifugal Type

50X1-HUM

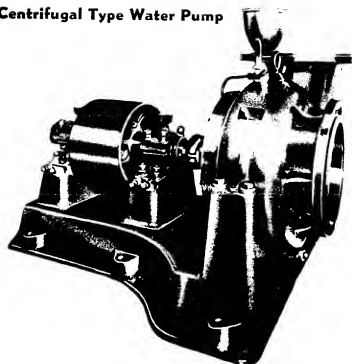


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14" Centrifugal Type Water Pump

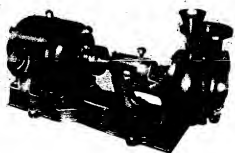


INTRODUCTION

Water pump is a kind of Machinery for pumping water from a lower level up to a higher level. Mines, Factories, Fundamental Constructions use water pumps for transporting water, supplying water and displacing water. Agricultural productions also utilise water pumps to fight against nature disasters.

There are many kinds of Water Pump, but the most effective and of widest usage ones are the Centrifugal Type Water Pumps. The main advantages of the Centrifugal Pumps are as follows:

- (1) Simple and strong construction.
- (2) Low cost of manufacture.
- (3) Easily transportable.
- (4) Easy handling and operation.
- (5) Low cost of maintenance.
- (6) Stoppages and non-functioning can hardly occur.
- (7) High pressure and great capacity.



Centrifugal Type Water Pump with Motor

3" Centrifugal Type Water Pump

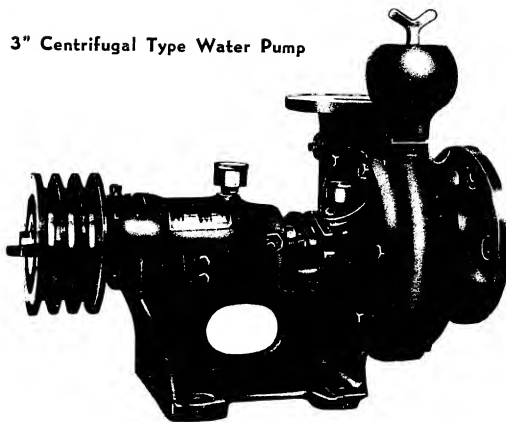


TABLE FOR "V" BELT DRIVEN

Pump Size	H.P.	R.P.M.	Sheaves Dia. 4"		Sheaves Dia. 6"		Sheaves Dia. 8"	
			V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt
2"	3	1800	1800	B-2	2700	B-1	3600	A-2
3"	5	1800	1800	B-3	2700	B-2	3600	A-3
4"	8	1500	1500	C-3	2200	B-4	3000	A-4
5"	15	1500	1500	C-4	2200	C-3	3000	B-5
6"	20	1400	1400	C-5	2100	C-4	2800	C-3
8"	25	1000	1000	D-5	1500	C-7	2000	C-5
10"	30	900	900	D-6	1350	D-4	1800	D-3
12"	35	900	900	D-7	1350	D-5	1800	D-4

TABLE FOR ACCESSORIES

Part No.	Nomenclature	Material	No. of Pcs.	Remarks
1	Main Shaft	Mild Steel	1	
2	Bush Cover	Cast Iron	1	
3	Bush Check Nut	Mild Steel	1-2	
4	Ball Bearing	Hard Steel	1	Single Roll or Double Roll
5	Housing	Cast Iron	1	
6	Ball Bearing	Hard Steel	1	Single Roll
7	Stuffing Box Cover	Cast Copper	1	
8	Packing	Asbestos	3-4 Rolls	
9	Water Seal Ring	Cast Copper	1	
10	Priming Cup	Cast Iron	1	
11	Priming Cock	Cast Copper	1	
12	Impeller Key	Mild Steel	1	
13	Impeller Nut	Cast Copper	1	
14	Impeller	Cast Copper	1	
15	Pump Casing	Cast Iron	1	
16	Stuffing Box Liner	Cast Copper	1	
17	Sheaves	Cast Iron	1	
18	Sheaves Key	Mild Steel	1	
A	Rear Bearing Oiling Screw	Mild Steel	1	
B	Middle Oiling Screw	Mild Steel	1	
C	Front Bearing Oiling Screw	Mild Steel	1	
D	Water Seal Screw	Mild Steel	1	
E	High Pressure Water Seal Screw	Mild Steel	1	
F	Standard Oiling Bevel Screw	Mild Steel	1	
G	Oil Drain Cock	Mild Steel	1	
H	Stuffing Box Water Drainage Cock	Mild Steel	1	
K	Pump Casing Drainage Cock	Mild Steel	1	

Centrifugal Type Water Pump Size and Its Character

Pump Size	Diameter		H.P.	R.P.M.	Gal./ Min.	Total Head In Ft.	Net Wt. Kg.	Equipments
2"	2 1/8"	2"	3	1800	200	30	47	ø 4" Suction Valve 1 piece
3"	4"	3"	5	1800	350	40	79	ø 4" 90° Elbow 1 piece
4"	5"	4"	8	1500	500	60	127	ø 5" Suction Valve 1 piece
								ø 5" 90° Elbow 1 piece
5"	6"	5"	15	1500	600	60	154	ø 6" Suction Valve 1 piece
								ø 6" 90° Elbow 1 piece
6"	8"	6"	20	1400	800	60	217	ø 8" Suction Valve 1 piece
								ø 8" 90° Elbow 1 piece
8"	10"	8"	25	1000	1500	50	331	ø 10" Suction Valve 1 piece
								ø 10" 90° Elbow 1 piece
10"	12"	10"	30	900	2500	50	574	ø 12" Suction Valve 1 piece
								ø 12" 90° Elbow 1 piece
12"	12"	12"	35	900	3500	40	689	ø 12" Suction Valve 1 piece
								ø 12" 90° Elbow 1 piece
14"	14"	14"	40	680	4200	30	1335	ø 14" Suction Valve 1 piece
								ø 14" Elbow 1 piece
16"	16"	16"	55	600	6000	30	1795	ø 16" Suction Valve 1 piece

The Construction of the Water Pump of Centrifugal Type.

The constructions of various specifications of the Centrifugal Water Pump manufactured by the factory are all in one of the same model. The following drawing is one the recent production:

Centrifugal Type Water Pump Construction

3" Centrifugal Type Water Pump

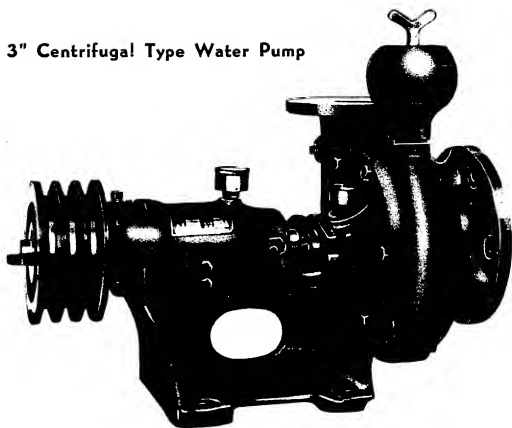


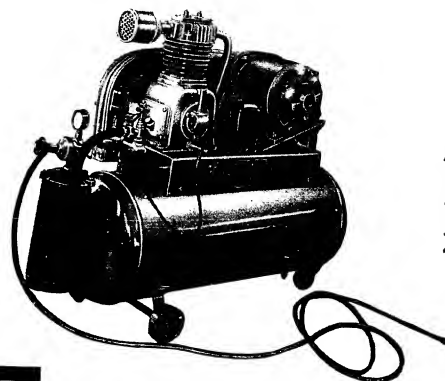
TABLE FOR "V" BELT DRIVEN

Pump Size	H.P.	R.P.M.	Sheaves Dia. 4"		Sheaves Dia. 6"		Sheaves Dia. 8"	
			V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt	V Belt Speed Ft.	No. of Belt
2"	3	1800	1800	B-2	2700	B-1	3600	A-2
3"	5	1800	1800	B-3	2700	B-2	3600	A-3
4"	8	1500	1500	C-3	2200	B-4	3000	A-4
5"	15	1500	1500	C-4	2200	C-3	3000	B-5
6"	20	1400	1400	C-5	2100	C-4	2800	C-3
8"	25	1000	1000	D-5	1500	C-7	2000	C-5
10"	30	900	900	D-6	1350	D-4	1800	D-3
12"	35	900	900	D-7	1350	D-5	1800	D-4

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50X1-HUM

三馬力空氣壓縮機



3 H.P.

AIR COMPRESSOR

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT — EXPORT
ER — LI — KOW, HSI — CHIAO, PEKING, CHINA
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3 H.P. AIR COMPRESSOR

This is a single-cylinder, vertical, air-cooled compressor. Capacity 22 cubic meters free air per hour to pressure of 6 atmospheres.

The machine is driven through V-belt by a 2.2 KW. motor, mounted on a horizontal air reservoir of 150 litre capacity. The unit is easy to move around as it is fitted with wheels.

The flywheel also performs as a fan, effecting cooling efficiently. The crankshaft is fitted with ball bearings, ensuring smooth running. Lubrication is performed by the rotary crankshaft carrying the lubricating oil from the crank case to all the rotating parts.

A pressure gauge and a spring safety valve are fitted onto the air reservoir. When a pre-regulated pressure, range 4 to 6 atm. at will, is exceeded, the machine will be stopped automatically. A filter is provided for filtering exhaust air and a pressure regulating valve for regulating the exhaust pressure.

This machine, as the main source of supply of compressed air in workshops, is used for driving various kinds of pneumatic tools for spraying lacquer, cleaning machines, etc.

Intake Capacity:	22 m ³ /hr. (775 ft ³ /hr.)
Pressure	6 atm. (85 lbs/in ²)
Speed	650 rpm.

Motor:

Type	A. C., 3-phase, Induction type.
Power	2.2 KW.
Speed	1400 rpm.
Voltage	220/380 V.
Frequency	50 cycles

Air Reservoir:

Capacity	150 litres
Pressure	10 atm.
Overall dimension (LxWxH)	1600x540x1030. mm.
Net weight	243 kg.

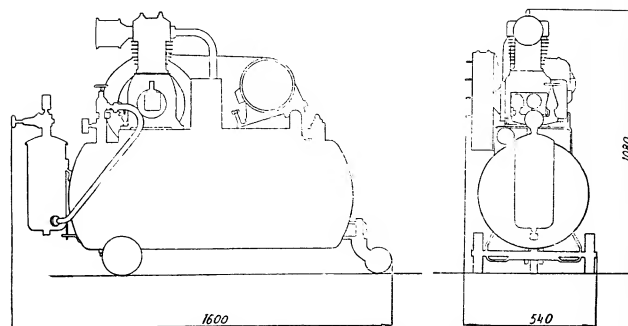


Diagram Showing Overall Dimensions

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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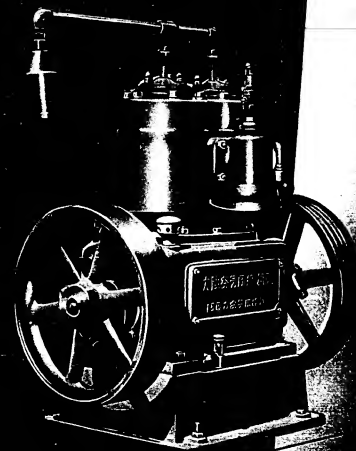
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15馬力

空氣壓縮機



15 H.P. AIR COMPRESSOR

(Stationary or Portable Type)

A. SPECIFICATIONS:

Type ...	Vertical, two-cylinder, single-acting, water-cooled.
Intake Capacity ...	1.7 m ³ /min.
Air Pressure ...	7 kg/cm ²
Cylinder dia. ...	140 mm.
Stroke ...	127 mm.
Speed ...	500 rpm.
Number of Stage ...	1
Dia. of Exhaust Pipe ...	51 mm.
Nett Weight ...	406 kg.

ELECTRIC MOTOR

	Stationary	Portable
Type ...	3-phase induction dripwater-proof squirrel cage.	3-phase induction dripwater-proof squirrel cage.
Power... 12 KW (15 HP)	12 KW	
Voltage 220-380 V.	220-380 V.	
Speed... 1500 rpm.	900 rpm.	

AIR TANK

	Stationary	Portable
Inner diameter ...	720 mm.	490 mm.
Height or Length ...	1219 mm.	1219,2 mm.

* Portable type is supplied with 6 distributing valves for sundry connections.

WATER BOX

Length ...	—	1100 mm.
Width ...	—	500 mm.
Height ...	—	500 mm.

BELT PULLEY

Diameter ...	510 mm.	—
Width ...	105 mm.	—

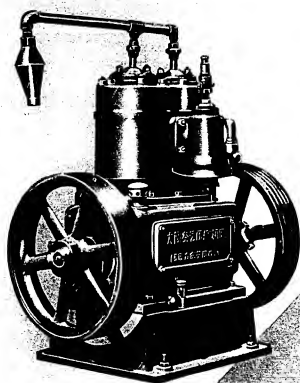
GROOVED WHEEL

Diameter ...	525 mm.	—
Width ...	107 mm.	—

* It is gear connection for portable type.

OVERALL DIMENSIONS

Height ...	1100 mm.	1692 mm.
Length ...	900 mm.	2370 mm.
Width ...	600 mm.	1300 mm.



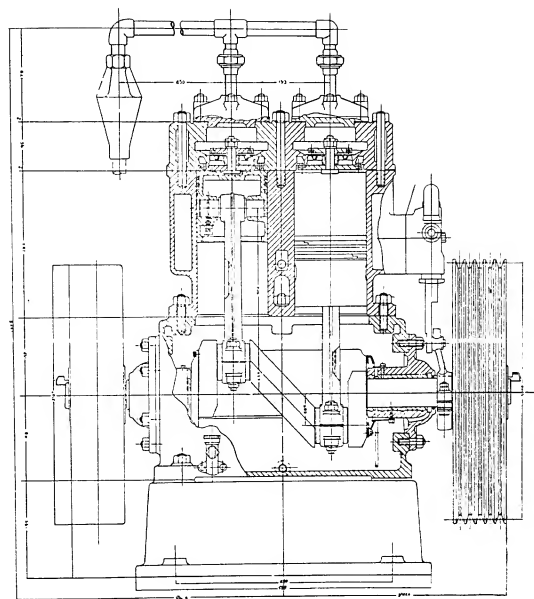
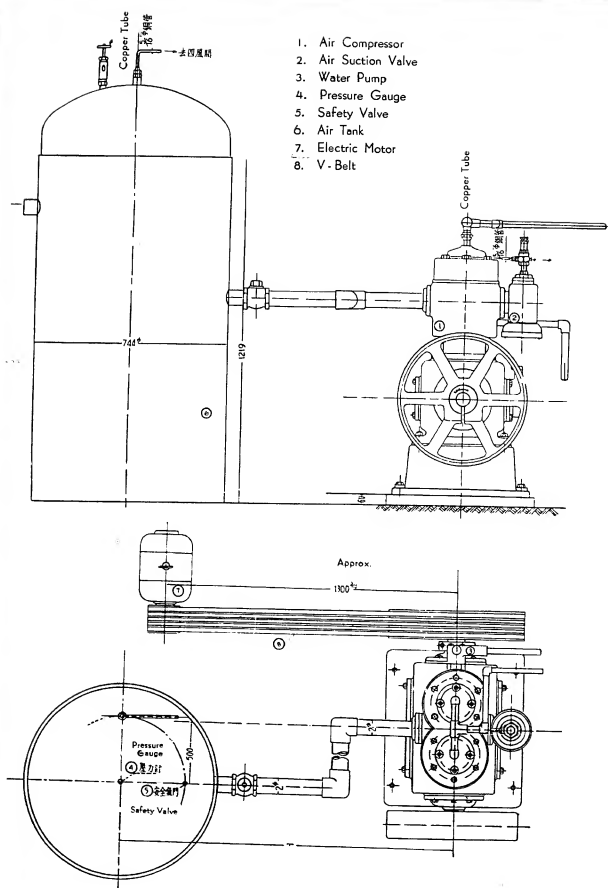
15 H.P.
Stationary Type
Air Compressor

15 馬力空氣壓縮機
(固定式)

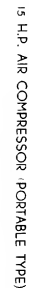


15 H.P.
Portable Type
Air Compressor

15 馬力空氣壓縮機 (移動式)



15 H.P. AIR COMPRESSOR (STATIONARY TYPE)



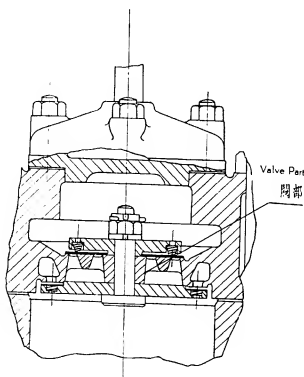
A. NOTES FOR INSTALLATION.

- B. POINTS TO BE NOTED DURING OPERATION.

-

C. MAINTENANCE AND OVERHAULING.

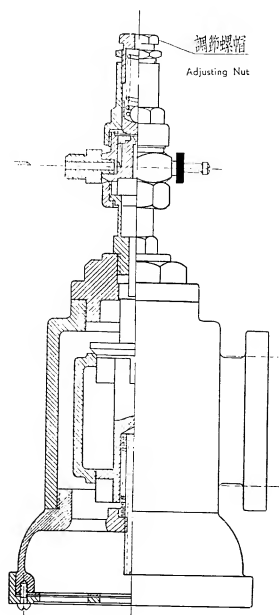
1. Clean the bottom of the air tank daily of any entrained oil.
2. Provide additional oil whenever the oil falls below the 43-mm mark. (For Portable Type, 30 mm.)
3. Clean the trough once every month. Minor mechanical parts should be given an overhaul bi-monthly; a major overhaul every half-year.
4. When the air compressor is not in service during winter season, it should be drained of all the cooling water.
5. Clean the discharge port every half-month. (Diagram 5).
6. Whenever the air compressor is stopped, the suction end should be plugged up to prevent accumulation of dirt.
7. Refer to diagrams provided when changing valves, valve springs, piston rings, etc.



AIR RETURN VALVE •

The function of the air return valve is to properly regulate the compressor load during operation, to prevent uneconomical loading of the unit. Whenever the tank air pressure reaches a pre-determined value, the air return will operate automatically to close the inlet port, and in this way the load on the air compressor is reduced. When the tank air pressure falls below the normal setting, the return valve closes automatically. This automatically permits loading of the air compressor. For this reason, the valve spring on the air return valve should be properly set according to the required pressure in the air tank.

Method for readjustment of the valve spring is exceedingly simple. This can be accomplished by merely tightening or loosening the adjusting nut on top of the return valve. If the return valve opens too readily, the nut should be tightened or loosening if the opposite effect is desired.



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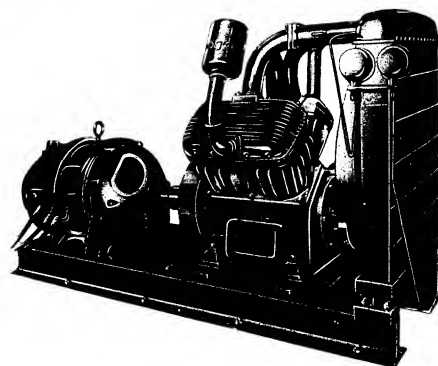
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50X1-HUM

Air Compressor

Model 1-6/7



空氣壓縮機

14/9/57

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING



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AIR COMPRESSOR

MODEL 1-6/7

This Air Compressor is of two-stage, four-cylinder, V-construction, single acting, air cooled type. Capacity 6 cubic meters free air per minute to pressure of 7 atmospheres.

It is driven by a direct-coupled 40 KW. motor. The compressor, motor, and intercooler are all mounted on a frame work, equipped with manometer and safety valve.

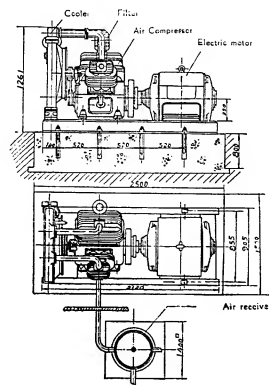
Air cooling of cylinder is effected by fans. Lubrication by splash method. Air receivers are of two sizes, namely: 0.25 cubic meter and 1.31 cubic meter respectively; any or both of them may be equipped if required.

The machine is suitable for use in building construction works, mines and workshops to supply energy to pneumatic tools.

SPECIFICATION

No. of cylinders:	1st stage	2
	2nd stage	2
Cylinder bore:	1st stage	230 mm.
	2nd stage	135 mm.
Stroke:	. . . . .	120 mm.
Intake capacity:	. . . . .	6 m ³ /min.

Pressure:	1st stage	2 atm.
	2nd stage	7 atm.
Power required		52 H.P.
Speed		730 rpm.
Motor:	Power	40 KW.
	Speed	730 rpm.
Overall dimension (L x W x H)		2120x905x1261 mm. (including motor)
Net weight		1360 kg. (including motor)



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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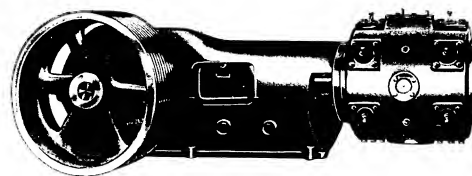
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50X1-HUM

Air Compress
空氣壓縮機



25/58
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: "MACHIMPORT" PEKING

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AIR COMPRESSOR

This Air Compressor is of single cylinder, double acting, horizontal, water cooling type. Capacity 12 cubic meters free air per minute to pressure of 7 atmospheres.

It is advisable to supply cooling water by coolant pump, but pipe water may also be used. Lubrication of the various parts of this machine by means of splashing and injection. Supplied with automatic pressure regulating device, the compressor being economical in the consumption of power and ensuring safety against excessive pressure in air receiver.

The machine is used in mines, civil engineering works and industrial plants, wherever compressed air is needed for pneumatic tools.

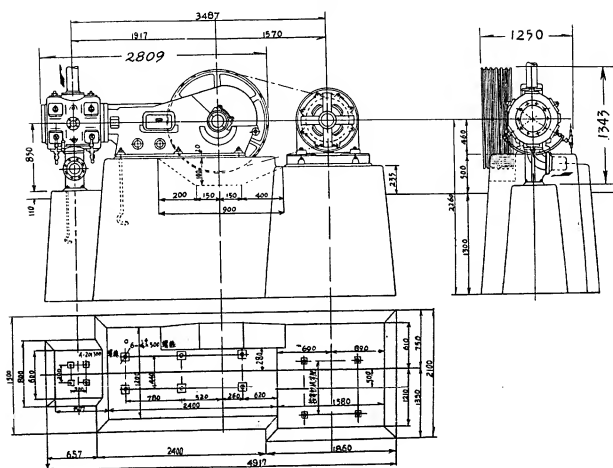
No. of cylinder....	1
Cylinder bore	350 mm.
Stroke	300 mm.
Intake capacity....	12m ³ /min.
Pressure	7 atm.
Power required....	100 H.P.
Speed....	290 rpm.
Motor recommended: Power	80 KW.
Speed	720 rpm.

Overall dimension (L x W x H) 2809 x 1250 x 1343 mm.
(not including motor)

Net weight 2800 kg.
(not including motor)

Weight of heaviest piece 890 kg.

(12 立方公尺)



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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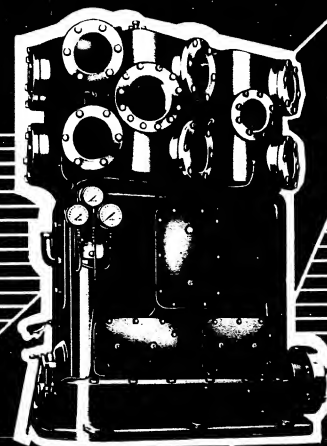
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空氣壓縮機



AIR COMPRESSOR MODEL 1-40/8.

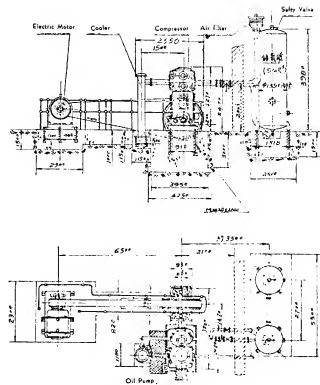
This Air Compressor is of two-stage, two-cylinder, vertical, double acting, water cooled type. Capacity 40 cubic meters free air per minute to pressure of 8 atmospheres.

The machine set consists of compressor, intercooler and a 250 KW. motor. The drive is by flat belt or V-belt.

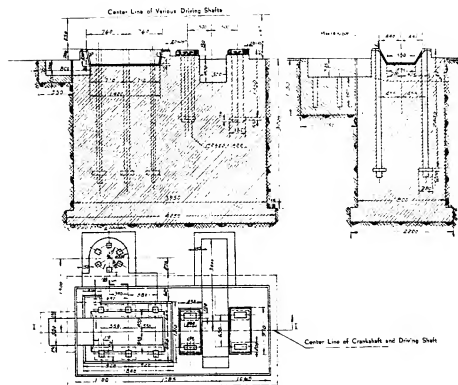
Safety valve and manometer are provided. Lubrication is effected both by gear pump and by lubricators; the former for bearings and other rubbing surfaces and the latter for cylinders and stuffing boxes.

The machine is suitable for mines, building constructions and workshops for feeding compressed air to various pneumatic tools.

No. of cylinder:	1st stage.....	1
	2nd stage.....	1
Cylinder bore:	1st stage.....	570 mm.
	2nd stage.....	340 mm.
Stroke:	.....	300 mm.
Intake capacity:	.....	40 m ³ /min.
Pressure:	1st stage.....	2 atm.
	2nd stage.....	8 atm.
Power required	.....	300 H.P.
Speed:	.....	330 rpm.
Cooling water consumption	.....	13 m ³ /hr.
Lubricating oil consumption	.....	0.35 kg./hr.
Motor:	Power.....	250 KW.
	Speed.....	750 rpm.
Overall dimension (LxWxH)	.....	2550x3260x2470 mm.
	(not including motor or receiver)	
Weight of heaviest piece	.....	1000 kg. approx.
Machine net weight	.....	8900 kg.



General plan of 40m³ Air Compressor



Foundation plan of 40m³ Air Compressor

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

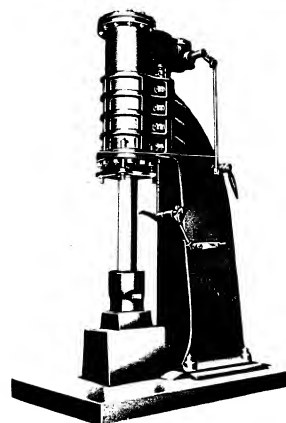
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50X1-HUM



HALF-TON
STEAM HAMMER
Model 282-1/2

16/5/57

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IMPORTERS & EXPORTERS

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA CABLE ADDRESS

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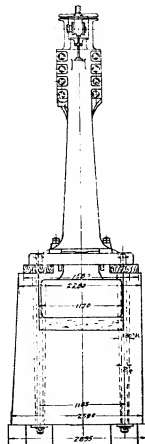
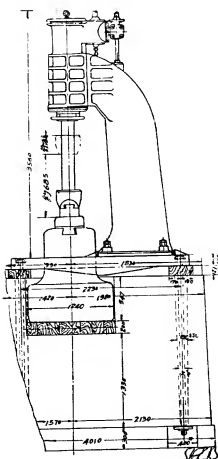
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HALF-TON STEAM HAMMER

Model 232 - 1

This machine is durable and compact, though simple in construction and easy in operation. Its piston is of double stroke type and powerful in ramming. It is well equipped and complete with safety device.

Falling weight	500 kg.
Max. stroke of piston	685 mm.
Cylinder bore	355 mm.
Dia. of hammer rod	184 mm.
Dia. of steam inlet pipe	2½" (gas pipe)
Dia. of exhaust pipe	4" (gas pipe)
Anvil surface	200 × 410 mm.
Ram surface	200 × 255 mm.
Max. distance of ram centre line to the vertical pillar	610 mm.
Height of anvil surface from ground	738 mm.
Total height of hammer assembled	3560 mm.
Floor space of bed plate	1200 × 1130 mm.
Weight of ram	10500 kg.
Weight of anvil	7500 kg.
Gross weight of machine	18000 kg.
Max. diameter of work forgeable	150 mm.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

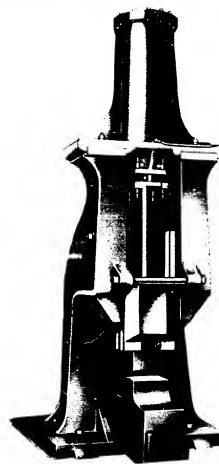
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蒸空兩用錘

Steam Or Pneumatic Hammer

CONFIDENTIAL

(1 TON)
MODEL 232-1



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中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI KOW HSI-CHIAO PEKING CHINA CABLE ADD. MACHIMPORT PEKING

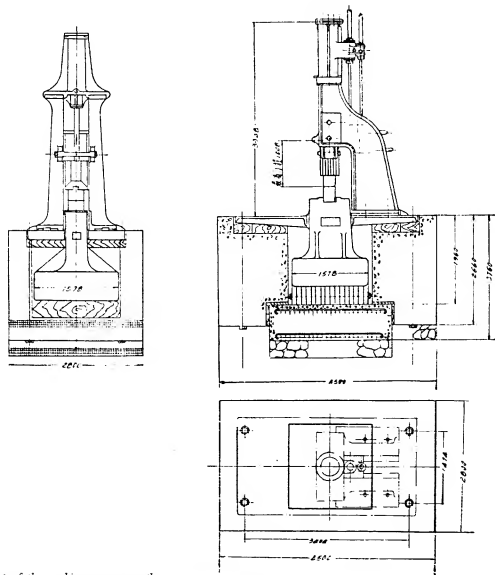
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STEAM OR PNEUMATIC HAMMER (1 TON)

Model 232-1

This machine is capable of piercing, extending, upsetting, and other free forging operations. Blows can be adjusted single or continual.

Rated capacity	1000 kg.
Max. stroke	1028 mm.
Cylinder bore	381 mm.
Diameter of ram	127 mm.
Distance from centre of ram to column	458 mm.
Ram surface (L x W)	355 x 292 mm.
Anvil surface (L x W)	355 x 292 mm.
Pressure	7 kg./cm ²
Overall dimension (L x W x H)	3734 x 1982 x 3948 mm.
Machine weight (excluding anvil)	21000 kg.
Anvil weight	14000 kg.

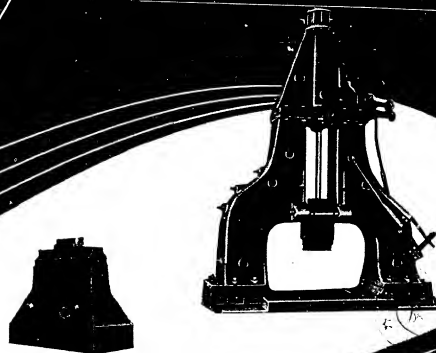


N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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PNEUMATIC-STEAM HAMMER (2-TON)

MODEL 232-2



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蒸空两用锤

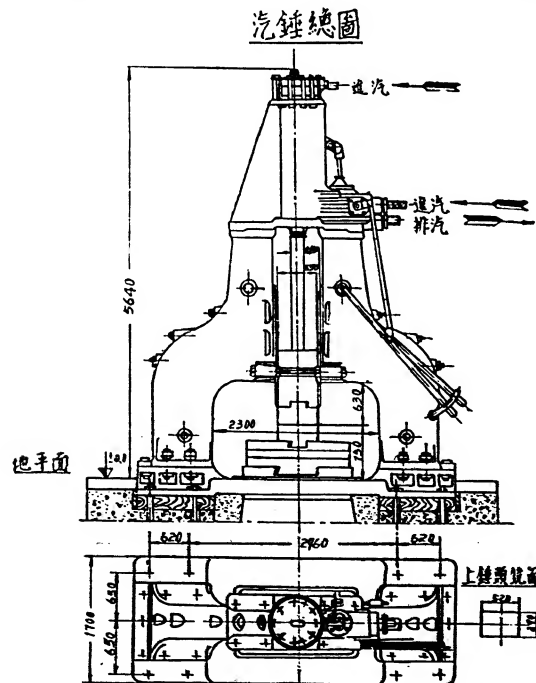
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT-EXPORT
EQUIPMENT COMPANY
CARE OF MAIL BOX 100, HONG KONG

CONFIDENTIAL**蒸 空 兩 用 錘****PNEUMATIC-STEAM HAMMER (2-TON)****MODEL 232-2**

This kind of Pneumatic-Steam Hammer is suitable for extending, upsetting, punching, breaking, bending, forge welding and other free forging works. It has double column housing with steam cushioning device. The distribution of steam is controlled by a cylindrical piston valve and a control valve. The hammer can be manually controlled to perform single blow action and may be brought to a standstill at any position. The lubrication of the hammer is by a central system.

Nominal blow.....	2000 kg.
Max. stroke of ram.....	1260 mm.
Dia. of cylinder.....	430 mm.
Dia. of ram rod.....	140 mm.
Distance between anvil block and the end of guide ways.....	630 mm.
Distance between anvil block and ground surface.....	750 mm.
Distance between columns.....	2300 mm.
Distance between guide ways.....	550 mm.
Ram surface.....	520x290 mm.
Anvil surface.....	520x290 mm.
Steam pressure (absolute)	
Inlet.....	7.9 atm.
Outlet.....	1-1.5 atm.
Max. speed of ram.....	8.9 m/sec.
Energy of stroke (dropping speed of hammer 8.9 m/sec.).....	7000 mkg.
Stroke per minute.....	85
Base (length x width).....	4450x1700 mm.
Overall height above ground surface.....	5640 mm.
Weight of machine (excluding anvil block).....	29568 kg.
Weight of anvil block.....	30060 kg.



N.B., For improvement of the machine, we reserve the right to alter either the design or the specification.

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